Mailing Address: Rua Mirador, 2105 – Centro Presidente Getúlio – SC – Brazil CEP 89150-000

1 Short Bio

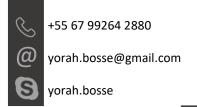
Yorah Bosse is an Associate Professor in the Computer Science Department at the Federal University of Mato Grosso do Sul, Brazil. She holds a Bachelor's degree in Computer Science (1996), a Master's degree in Production Engineering (2000), and a Ph.D. in Computer Science (2020), earned at the University of São Paulo, Brazil, which ranks among the top 115 universities globally according to the QS World University Rankings 2023. Throughout her academic career, Yorah has served in various leadership roles, including as a course coordinator, supervisor for mandatory internships, president of the internship committee, and member of several committees, such as institutional evaluation, search (hiring), and Faculty Performance Evaluation. She has also actively organized private university events and national conferences. With over 20 years of experience as a Computer Science professor, Yorah has taught various subjects, primarily focusing on CS1 and Data Structures. She has utilized different programming languages, including C, Python, C#, and Java, in her teaching. Her doctoral research was centered on identifying common challenges encountered by students in CS1, leading to the publication of seven papers and a technical report that have significantly contributed to the global Computer Education community. Due to her strong interest in Computer Education, Yorah is a member of the Management Committee of the Computing Education Interest Group (GIEC), now known as CE-EduComp, affiliated with the Brazilian Computer Society (SBC), Brazil's most prominent computing association. Within this group, she leads a working group focused on Teaching-Learning in Introductory Programming courses and actively participates in another group focused on active teaching strategies. Additionally, she serves as a member of the organizing committee for the Brazilian Symposium on Education in Computing (EduComp 2024). Yorah has also been involved in projects to empower educators to develop animated video lessons and assist students in improving their skills in identifying code misconceptions. These projects have involved collaboration with professors and researchers from São Paulo (Brazil), Paraná (Brazil), and Bolzano (Italy). In recognition of her dedication, Yorah received the award for the best reviewer at the EduComp conferences in 2021 and 2023. She also earned an honorable mention for her work in developing computational activities to support children with literacy disabilities. Finally, given the above, she classifies herself as a passionate professor and researcher, strongly motivated to contribute to the improvement of teaching-learning in Computer Science education.

2 Education / Academic Degrees

Year	Degree	Institution
2020	Ph.D. in Computer Science Dissertation title: "Anti-Patterns of Difficulties Related to Programming Learning"	University of São Paulo (USP), Brazil (the highest score among Brazilian universities at the World University Rankings 2022)
2000	M.Sc. in Production Engineering Dissertation title: "Development and Implementation of Learning Support System for Correct Use of Structural Ceramic Blocks"	Federal University of Santa Catarina (UFSC), Brazil
1996	Computer Science, B.Sc. Dissertation title: "Ceramic Material Order Control System by Internet"	Regional University Foundation of Blumenau (FURB), Brazil

3 Employment

Period	Institution	Position
2013- present	Federal University of Mato Grosso do Sul (UFMS), Brazil Department of Computer Science	Associate Professor
2010-2013	Federal University of Viçosa (UFV), Brazil Department of Informatics	Assistant Professor
2010-2010	Maringá University Center (UNICESUMAR), Brazil Department of Analysis and Development of Systems and Networks	Assistant Professor & Course Coordinator
2004-2009	Sacred Heart Integrated Education Center (UniLinhares), Brazil Department of Computer Science	Assistant Professor
2000-2003	Lagean Society of Education (FACVEST), Brazil Department of Computer Science	Assistant Professor
2000-2003	University for the Development of the Alto Vale do Itajaí (UNIDAVI), Brazil Administration Department	Assistant Professor
1999-2001	Hansa Hammonia Educational Foundation (FEHH), Brazil Department of Informatics	Assistant Professor



4 Visiting Position

	Institution	
2017-2018	lifornia, Irvine (UCI) ance of Prof. Dr. David Redmiles	

5 Research Area

Period	Area
2010	Computer Education

6 Publications

6.1 Magazine Papers (2)

N.	Year	Ref
2.	2017	Bosse, Y.; Gerosa, M. A., "Difficulties of Programming Learning from the Point of View of Students and Instructors". In: IEEE Latin America Transactions, v.15, p.2191 - 2199, 2017.
1.	2017	Bosse, Y.; Gerosa, M. A., "Why is programming so difficult to learn? Patterns of Difficulties Related to Programming Learning", In: ACM Software Engineering Notes . v.41, p.1 - 6, 2017

6.2 Peer-reviewed Full Papers in Event Proceedings (7)

N.	Year	Ref
7.	2023	Gomes, G. S., Nishi, Y. T., Ramos, P. B., Silva, L. S., Guerra, E., Wiese, I. S., & Bosse, Y. "Um Recurso Educacional para Desenvolver a Habilidade da Percepção de Padrões de Equívocos com Aprendizes de Programação" (An Educational Resource to Develop the Skill of Perceiving Misconception Patterns with Programming Learners). In: Anais do III Simpósio Brasileiro de Educação em Computação (Proceedings of the III Brazilian Symposium on Computing Education) (pp. 328-336). SBC (Brazil). April, 2023.
6.	2019	Bosse, Y.; Redmiles, D.; Gerosa, M. A. "Connections and Influences Among Topics of Learning How to Program." In: IEEE Frontiers in Education Conference, Cincinnati, OH, October 2019 (USA).
5.	2019	Bosse, Y.; Redmiles, D.; Gerosa, M. A. "Pedagogical Content for Professors of Introductory Programming Courses." In: ACM ITICSE - Innovation and Technology in Computer Science Education Conference, Aberdeen, July 2019 (Scotland).
4.	2016	Brandão, L., Bosse, Y., Gerosa, M.A. "Visual programming and automatic evaluation of exercises: an experience with a STEM course." In: IEEE Frontiers in Education Conference, Erie, PA, October 2016, (USA).

- 3. 2015 Bosse, Y.; Gerosa, M. A. "As Disciplinas de Introdução à Programação na USP: um Estudo Preliminar" (The Introductory Programming Courses at USP: a Preliminary Study). In: I Workshop de Ensino em Pensamento Computacional, Algoritmos e Programação (I Workshop on Teaching Computational Thinking, Algorithms, and Programming), Proceedings of Workshop of the Brazilian Congress on Informatics in Education. Porto Alegre: SBC, 2015, (Brazil).
- 20. 2015 Bosse, Y., Gerosa, M.A. "Reprovações e Trancamentos nas Disciplinas de Introdução à Programação da Universidade de São Paulo: Um Estudo Preliminar" (Failures and Lockouts in Introductory Programming Courses at the University of São Paulo: A Preliminary Study). In: 23th Workshop sobre Educação em Computação WEI (23rd Workshop on Computing Education), XXXV Congresso da Sociedade Brasileira de Computação (CSBC 2015), Recife, (Brazi).
- 1. 2003 Vigolo, V.; Spiazzi, F. R.; Dalmolim, L. C. D.; Schütz, S. M.; Bosse, Y. "Software de Apoio ao Ensino de Algoritmos" (Algorithm Teaching Support Software). In: III Congresso Brasileiro de Computação (III Brazilian Computing Congress), 2003, Itajaí SC (Brazil).

P.S.: A paper is under review in a journal.

6.3 Technical Report (1)

N. Year Ref

1. 2021 Bosse, Y, et al. "Catalogs of C and Python Antipatterns by CS1 Students." arXiv preprint arXiv:2104.12542 (2021).

7 Research Funding

7.1 Researcher in Research Grants

N. Period	Description	Budget
1. 2015	Enabling new Programmers to the Future Internet Funded by: FAPESP (Sao Paulo Research Foundation) – PIPE Program, grant 2015/24331-1. (I prepared the proposal)	R\$ 200,000 (~US\$ 48,000)

7.2 Scholarships Obtained

N. Period	Description	Budget
1. 2017-	PDSE – Programa de Doutorado Sanduíche no Exterior	R\$ 81,600
2018	Part of the doctoral research done at the University of California, Irvine, under	(US\$ 26,000)
	the guidance of Prof. Dr. David Redmiles.	
	Funded by: CAPES – grant 88881.135066/2016-01	

8 Advising

8.1 Advisor and Coordinator of Projects (3)

Amount	Period	Institution and Title
1	2021-2025 (in progress)	Federal University of Mato Grosso do Sul (UFMS), Brazil Mitigate Difficulty Patterns in Programming Learning
1	2021-2022	UFMS, Brazil - <u>Title</u> : Hybrid Teaching: How to produce a video lesson?
1	2021-2022	UFMS, Brazil - <u>Title</u> : Development of Activities to Improve Misconception Perception Skills by Programming Apprentices.

8.2 Advisor of Capstone (12)

Amount	Period	Institution
2	2122	Federal University of Mato Grosso do Sul (UFMS), Brazil
1	2021	Federal University of Mato Grosso do Sul (UFMS), Brazil
9	2002-2012	Sacred Heart Integrated Education Center (UniLinhares), Brazil

8.3 Advisor of Internship (142)

Amount	Period	Institution
17	2023 – in progress	Federal University of Mato Grosso do Sul (UFMS), Brazil
19	2023	Federal University of Mato Grosso do Sul (UFMS), Brazil
36	2022	Federal University of Mato Grosso do Sul (UFMS), Brazil
45	2019-2021	Federal University of Mato Grosso do Sul (UFMS), Brazil
25	2008	Sacred Heart Integrated Education Center (UniLinhares), Brazil

9 Tutoring

Amount	Period	Program/Institution
13	2023 – in progress	Tutorial Education Program (PET) / Federal University of Mato Grosso do Sul (UFMS), Brazil

10 Events organization

10.1 Organizing Committee Member of National Events (3)

N.	Year	Name
3	2023 - current	4th Brazilian Symposium on Computer Education – EDUCOMP 2024, Brazil – Website: https://www.educompbrasil.org/simposio/2024/equipe/comissao-organizadora
2	2022-2023	3th Brazilian Symposium on Computer Education – EDUCOMP 2023, Brazil – Website: https://www.educompbrasil.org/simposio/2023/equipe/comissao-organizadora
1	2021-2022	2nd Brazilian Symposium on Computer Education – EDUCOMP 2022, Brazil – Website: https://www.educompbrasil.org/simposio/2022/equipe/comissao-organizadora

10.2 Chair of Regional Events (3)

N.	Year	Name
3.	2011	3rd Academic Week of the Information System Course - ATO 165/2011 / CRP – (SACSIS), Brazil
2.	2002	1st Regional Algorithm Olympics held at the 2nd Academic Week of Computer Science Course and Scientific Initiation Workshop (FACVEST), Brazil
1.	2002	1st Academic Week of Computer Science Course and Scientific Initiation Workshop (FACVEST), Brazil

11 Reviewing Activities

11.1 Revisions for Events (42)

Year	Event	Туре	Total
2023	Brazilian Symposium on Informatics in Education (Simpósio Brasileiro de Informática na Educação – SBIE 2023), Passo Fundo-Brazil	Full Papers	2
2023	Brazilian Symposium on Computer Education – EDUCOMP 2023, Online Format-Brazil – (Idea Labs)	Extended Abstracts	2
2022	Brazilian Symposium on Computer Education – EDUCOMP 2023, Online Format-Brazil – (Research Papers)	Full Papers	2
2022	Brazilian Symposium on Informatics in Education (Simpósio Brasileiro de Informática na Educação – SBIE 2022), Manaus-AM-Brazil	Full Papers	4
2022	Brazilian Symposium on Computer Education – EDUCOMP 2022, Online Format-Brazil – (Workshop of Thesis and Dissertations)	Full Paper	1
2022	Brazilian Symposium on Computer Education – EDUCOMP 2022, Online Format-Brazil – (Idea Labs)	Extended Abstracts	2

2021	Brazilian Symposium on Computer Education – EDUCOMP 2022, Online Format-Brazil – (Research and Essay Papers)	Full Papers	3
2021	ACM 53nd ACM Technical Symposium on Computer Science Education (SIGCSE 2022), Online Format-USA (Computing Education Research)	Full Papers	4
2021	Brazilian Symposium on Informatics in Education (Simpósio Brasileiro de Informática na Educação – SBIE 2021), Online Format-Brazil	Full Paper	1
2020	Brazilian Symposium on Computer Education – EDUCOMP 2021, Online Format-Brazil – (Research and Essay Papers)	Full Papers	4
2020	Brazilian Symposium on Computer Education – EDUCOMP 2021, Online Format-Brazil – (Idea Labs)	Extended Abstracts	3
2020	Brazilian Symposium on Computer Education – EDUCOMP 2021, Online Format-Brazil – (Experience Reports)	Full Papers	3
2020	ACM 52nd ACM Technical Symposium on Computer Science Education (SIGCSE 2021), Online Format-USA (Experience Reports and Tools)	Full Papers	3
2020	Brazilian Symposium on Informatics in Education (Simpósio Brasileiro de Informática na Educação – SBIE 2020), Online Format-Brazil	Full papers	4
2016	Brazilian Symposium on Informatics in Education (Simpósio Brasileiro de Informática na Educação – SBIE 2016), Uberlândia-MG-Brazil	Full papers	4

11.2 Revisions for Journals (3)

Year	Event	Туре	Total
2020 - 2022	Brazilian Journal of Informatics in Education	Full Paper	3

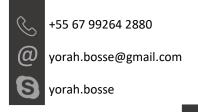
12 Committees

12.1 Hiring Committees (5)

Amount	Year	Institution	Faculty Position
1	2020	Federal University of Viçosa (UFV)	September 2020 (2 cand.)
4	2010	CESUMAR	April to July 2010 (10 cand.)

12.2 Oral Defense Committees (4)

Year	Level	Title / Student	Institution
2023	Doctoral defense	Title: Estratégias para Promover a Regulação Discente na Aprendizagem Inver da no Ensino de Programação (Strategies for Promoting Student Self-Regulation in Flipped Learning in Programming Education) — Candidate: Anderson Cavalcante Gonçalves.	Federal University of Goiás
2023	Master defense	Title: G-Thinking: Metodologia para o Desenvolvimento de Jogos Educacionais em Escola da Autoria - Promovendo Protagonismo	UFMS



		Juvenil e a Cultura Maker (G-Thinking: Methodology for the Development of Educational Games in Authorship Schools - Promoting Youth Protagonism and Maker Culture). Candidate: Kennedy dos S. Silva.	
2022	Master qualification	Title: Cultura Digital, Pensamento Computacional e Protagonismo Juvenil: uma Abordagem Estratégica em Escolas de Autoria (Digital Culture, Computational Thinking and Youth Protagonism: a Strategic Approach in Authorship Schools) – Candidate: Kennedy dos S. Silva.	UFMS
2022	Master qualification	Title: Uma Análise dos Efeitos da Gamificação no Engajamento Durante Um Workshop de Computação Paralela Utilizando Computação Desplugada (An Analysis of the Effects of Gamification on Engagement During a Parallel Computing Workshop Using Unplugged Computing)—Candidate: Felipe Pereira Perez.	UFMS
2022	Undergrad. - Capstone	Title: Um Jogo Fronteiriço: Explorando aspectos históricos e geográficos na região de fronteira entre Brasil e o Paraguai (A Border Game: Exploring Historical and Geographic Aspects in the Border Region Between Brazil and Paraguay). Student: Robson Benites Dias.	UFMS
2022	Undergrad. - Capstone	Title: CPPP Virtual: O Museu virtual do CPPP (CPPP Virtual: The Virtual Museum of CPPP) – Student: Ilderson dos Santos.	UFMS
2021	Undergrad. - Capstone	Title: User Experience: Um estudo de caso sobre os conceitos da abordagem aplicados no desenvolvimento de um protótipo de sistema hospitalar (User Experience: A case study on the concepts of the approach applied in the development of a prototype of a hospital system) – Students: Daniel Mioto, Eliezer Martins Dias, Wagner Rusth.	UFMS

12.3 Other Committees (1)

Year	Organization
2022-2023	Computing Education Interest Group (GIEC) - Member of the Management Committee (https://www.educompbrasil.org/quem-somos/comite-gestor)

13 Other Activities

13.1 Working Groups (1)

Year	Title
2022-2023	Teaching-Learning of Introductory Programming Working Group of the Computing Education Interest Group (GIEC) – as the facilitator member (coordinator)

14 Service to the University Community

14.1 Campus-wide (2)

N.	Year	Institution	Description
2.	2002	FACVEST	Member of the Institutional Evaluation Committee of the Lagean Education Society
1.	1999-2001	FEHH	Member of the Course Collegiate

14.2 Department-wide (12)

N.	Year	Institution	Description
12.	2022	UFMS	Member of the Faculty Performance Evaluation Committee
11.	2022	UFMS	Member of the Structuring Teaching Nucleus Committee (Structuring content for better learning)
10.	2022	UFMS	President of the Internship Committee of the Department of Computer Science
9.	2022	UFMS	President of the Internship Committee of the Department of Informatics
8.	2021	UFMS	Member of the Structuring Teaching Nucleus Committee (Structuring content for better learning)
7.	2021	UFMS	Member of the Faculty Performance Evaluation Committee
6.	2021	UFMS	President of the Internship Committee of the Department of Computer Science
5.	2021	UFMS	President of the Internship Committee of the Department of Informatics
4.	2020	UFMS	Member of the Faculty Performance Evaluation Committee
3.	2020	UFMS	Member of the Internship Committee of the Computer Science Department
2.	2020	UFMS	Member of the Internship Committee of the Department of Informatics
1.	2010	CESUMAR	Undergraduate Course Coordinator / department chair

15 Presentations

15.1 Courses and Short-Courses in Events

N.	Year	Description
1.	2002	Basic HTML 2nd Academic Week of Computer Science Course and Scientific Initiation Workshop Lages, SC, Brazil

15.2 Papers in Conferences

N.	Year	Country	Ref
5.	2019	USA	Bosse, Y.; Redmiles, D.; Gerosa, M. A., "Connections and Influences Among Topics of Learning How to Program", IEEE Frontiers in Education Conference , Cincinnati, OH, October 2019 (USA).
4.	2019	Scotland	Bosse, Y.; Redmiles, D.; Gerosa, M. A., "Pedagogical Content for Professors of Introductory Programming Courses", ACM ITICSE - Innovation and Technology in Computer Science Education Conference, Aberdeen, July 2019 (Scotland).
3.	2106	Spain	Bosse, Y.; Gerosa, M. A., "Why is programming so difficult to learn? Patterns of Difficulties Related to Programming Learning", In: ACM Software Engineering Notes . v.41, p.1 - 6, 2017
2.	2015	Brazil	Bosse, Y.; Gerosa, M. A., "As Disciplinas de Introdução à Programação na USP: um Estudo Preliminar", In: I Workshop de Ensino em Pensamento Computacional, Algoritmos e Programação , Anais dos Workshops do Congresso Brasileiro de Informática na Educação. Porto Alegre: SBC, 2015, (Brazil).
1.	2015	Brazil	Bosse, Y., Gerosa, M.A., "Reprovações e Trancamentos nas Disciplinas de Introdução à Programação da Universidade de São Paulo: Um Estudo Preliminar," 23th Workshop sobre Educação em Computação (WEI) , XXXV Congresso da Sociedade Brasileira de Computação (CSBC 2015), Recife, (Brazi).

16 Teaching

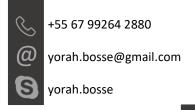
16.1 Graduate Courses (2)

Course	Term	Institution
Advanced Teaching Technologies and Informatics Applied to Education	2002 (2x)	SLE
TOTAL	2 courses	1 institution

16.2 Undergraduate Courses (104)

Course	Terms	Institution
Algorithms and Programming II (Basic Data Structures)	2023 – in progress	UFMS
Internship – Phase II	2023 – in progress	UFMS
Topics in Programming Languages	2020, 2022 (2x)	UFMS
CS1 - Algorithms and Programming I	2019, 2020, 2021, 2023 (4x)	UFMS
Algorithms and Programming II (Basic Data Structures)	2019 – 2022 (4x)	UFMS
Internship – Phase I	2019 – 2022 (4x)	UFMS

Internship – Phase II	2019 – 2022 (4x)	UFMS
Fundamentals of Information Systems	2018 (1x)	UFMS
Entrepreneurship	2018 (1x)	UFMS
File Structures and Programming	2013 - 2014 (2x)	UFMS
Data Structures and Programming	2013, 2014, 2020, 2022, 2023 (5x)	UFMS
Algorithms and Data Structures	2012 (3x)	UFV
Programming Lab	2012 – 2013 (2x)	UFV
Programming II	2019 (1X)	UFV
CS1 - Programming I	2010 – 2013 (9x)	UFV
Informatics and Society	2010 – 2011 (4x)	UFV
Informatics Introduction	2010 (3x)	UFV
CS1 - Introduction to Computer Science	2010 (1x)	CESUMAR
Data Structure	2010 (1x)	CESUMAR
CS1 - Introduction to Computer Science	2004 – 2008 (5x)	UNILINHARES
Programming II	2008 (1x)	UNILINHARES
Data Structures	2005 – 2009 (5x)	UNILINHARES
Informatics Introduction	2005 (1x)	UNILINHARES
Search and Sorting (Data Structure)	2005 – 2008 (4x)	UNILINHARES
Programming Languages (Programming Languages Paradigms)	2006 – 2009 (4x)	UNILINHARES
Mathematical and Computational Logic	2007 – 2009 (3x)	UNILINHARES
Multimedia	2007 – 2008 (2x)	UNILINHARES
Human Computer Interaction (HCI)	2009 (1x)	UNILINHARES
Database I	2002 (1x)	FACVEST
Data Structures II	2002 (1x)	FACVEST
Data Structures I	2002 (2x)	FACVEST
Informatics II	2001 (1x)	FACVEST
Algorithms II (the same as Programming II)	2001 – 2002 (5x)	FACVEST
CS1 - Algorithms I	2000 – 2002 (7x)	FACVEST
Informatics Introduction	2000 (1x)	UNIDAVI
Informatics Introduction	1999 – 2001 (6x)	FEHH
CS1 - Introduction to Computer Science	1999 (1x)	FEHH
TOTAL	102 courses	7 institutions



17 Professional Development

17.1 Courses (2)

Course		Institution	Year
Python for Everyone Specialization: 1. Programming for Everybody (Getting Started with Python) 2. Python Data Structures 3. Using Python to Access Web Data 4. Using Databases with Python 5. Capstone: Retrieving, Processing, and Visualizing Data with Python		University of Michigan – Coursera (online)	2022
Distance Learning Training Course: Fundamentals and Practices of Distance Education		Federal University of Mato Grosso do Sul (online)	2021

18 Award

N.	Description	Year
2.	Best Reviewer at the Brazilian Symposium on Education in Computing (EduComp 2021 and 2023).	2021 / 2023
1.	Honorable mention of the work entitle "Atividades Computacionais para Apoiar o Processo de Alfabetização dos Alunos da APAE de Rio Paranaíba" (Computational Activities to Support the Literacy Process of APAE* Students in Rio Paranaíba) of the regional event "Simpósio de Integração Acadêmica da UFV" (SIA-UFV 2012) – Minas Gerais – Brazil * APAE is an association between parents and friends of people with disabilities, like brain damage and mental retardation.	2012

19 Professional Affiliations

Period	Society
2010-present	Brazilian Computer Society (SBC), member 21465
2017-present	Association for Computing Machinery (ACM), member 8812860

20 Additional information

Google Scholar: https://scholar.google.com/citations?user=tRheRg8AAAAJ&hl=en

LinkedIn: https://www.linkedin.com/in/yorah-bosse-34192b4/

CNPq-CV Lattes: http://lattes.cnpq.br/2225634048955216 (Brazilian standard CV, in Portuguese)

21 References

Prof. Dr. Fabio Kon

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kon@ime.usp.br - +55 11 99342-2260

Prof. Fabio Kon helped me a lot during my Ph.D., and I worked with him on developing a Python Course for Coursera.

Prof. Dr. David Redmiles

Department of Informatics - Donald Bren School of Information and Computer Sciences - University of California, Irvine (UCI) - USA

redmiles@ics.uci.edu - +1 760-288-4987

Prof. David Redmiles was my thesis research co-advisor during my stay in the United States (University of California – Irvine) and after that period.

Prof. Dr. Rodrigo Smarzaro

Department of Informatics - Federal University of Viçosa (UFV) - Brazil smarzaro@ufv.br - +55 34 99156-1445

Prof. Rodrigo Smarzaro was the course coordinator at Sacred Heart Integrated Education Center (UniLinhares), where I worked as a professor from 2004 to 2009. In addition, he was my professional colleague at the Federal University of Viçosa (UFV), where I worked for another three years.

Prof. Dr. Flavio Bortolozzi

Knowledge Management in Organizations (Master Coordinator) - Maringá University Center (UNICESUMAR) - Brazil

flavio.bortolozzi.53@gmail.com - +55 41 99974-1234

Prof. Flavio Bortolozzi was my boss during the period I worked at Maringá University Center (UNICESUMAR).

Evaldo Arêdes Morais Filho (Alumni)

Computer Science Department - Federal University of Mato Grosso do Sul (UFMS) evaldo.filho098@gmail.com - +55 67 99215-7224

> I supervised Mr. Evaldo Arêdes Morais Filho during his mandatory internship for the Computer Science course at the Federal University of Mato Grosso do Sul (UFMS). He and a group of students, alumni or still attending classes, offered to give references about me as a professor and advisor in research, capstone, and internship projects.

Eduardo França (Alumni)

Gustavo André de Freitas (Alumni)

Department of Informatics - Sacred Heart Integrated Education Center (UniLinhares)
eduardo.s.franca@ibm.com - +55 27 99265 3818 | tigustavo@gmail.com - +55 27 99928-1820

> They were students during the time I taught at Sacred Heart Integrated Education Center (UniLinhares).