Dear Colleagues, Alumni, and Friends,

We hope you are doing well and staying healthy. As we look back on the past academic year, we are proud of the many achievements and initiatives that have taken place within our department.

Faculty News

UB awarded $170K to study how to make AI accessible to more people. The team, led by Dr. Qingguo Li, received a grant to create a scalable, easy-to-use AI platform that can be used in local communities around the world.

Kenny Joseph receives ONR award to assess the influence of China's Belt and Road Initiative in local communities at global scale. Dr. Joseph received a $50K grant to study the impact of the BRI on local communities.

Dr. Yaxiong Xie was awarded a generous sum of $175,000 for his groundbreaking research on IMR: MT-Fine-Grained Telemetry for Next-Generation Cellular Access.

We would like to share exciting news from our department. We are thrilled with our faculty's record-breaking achievements in research and community service.

We are proud of our students and their contributions to society. We are particularly proud of the UBPercept project, which was awarded $1420 to fund their project titled: I-Corps: A machine learning model for identifying medical complications.

Other sentiments included: "Congratulations to each and every one of you for reaching this milestone in your academic endeavors. We are incredibly proud of them all."

Institute and to support a cybersecurity program at UB. A number of CSE students won the Engineering Projects in Community Service (IEEE EPICS) Award. The students will work on projects to improve services and technologies to help children with speech, language, and other disabilities.

We are honored to announce that UB has secured an incredible grant from the National Science Foundation to establish a institute to create AI and technology they need to improve and deliver services and providing additional funding following the prototype's success.

The project is entitled "MindVoice: EEG-data together to have a better understanding of user's intention. The application will target the voice-user interface (e.g., Amazon Dot). The team will work with a Buffalo local NGO, Bridges from Boarders, Inc. to help make this project accessible to the target audience. The team was awarded $1420 with the option to receive additional funding following the prototype's success.

Spotlight on Students

This ambitious initiative, spanning five years and worth $20 million, aims to create a nationwide institute dedicated to advancing artificial intelligence and artificial intelligence systems designed to identify and support young children facing difficulties with speech and language.

UB awarded $20 million to establish institute to create AI technologies to help children with speech, language, and other disabilities. The institute will be focused on developing AI systems that can be used to identify and support children with speech, language, and other disabilities.

Wenyao Xu, a distinguished CSE professor, received a $500K grant to fund his project titled: I-Corps: A machine learning model for identifying medical complications.

Collaborative Research: Hardware-Aware Matrix Computations for Deep Learning Applications." Renowned CSE Professor Atri Rudra secured a substantial funding of $377,000 for his visionary project titled: Collaborative Research: Hardware-Aware Matrix Computations for Deep Learning Applications.

Distinguished CSE Professor Jean-Louis Frey received $500K to fund his project titled: I-Corps: A machine learning model for identifying medical complications.

Kenny Joseph received a $50,000 grant to study the impact of China's Belt and Road Initiative in local communities at global scale. Dr. Joseph received a $50K grant to study the impact of the BRI on local communities.

Successful Algorithms for the共赢: Patterson-Landau Equation and a new algorithm for solving it. The new algorithm was authored by Dr. Mark Adams of Lawrence Berkeley National Laboratory to investigate algorithms which preserve the metriplectic structure of the evolution equations.

We would like to congratulate Dr. Mark Adams of Lawrence Berkeley National Laboratory for his outstanding contributions to the field of computational mathematics.

In closing, we would like to thank all of our faculty, students, and staff for their hard work and dedication. We look forward to another successful year.

Best regards,

Professor and Department Chair
Xiong and Karthik Dantu earned fifth place out of more than 150 entrants in the TinyML Design Contest.

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Featured Alumni

UB, partners awarded $2M to study equitable grading in computer education, Adrienne Decker PhD '07

Grading practices centered around point deductions have the potential to impede student achievement and are susceptible to implicit biases that disproportionately affect students from disadvantaged socioeconomic backgrounds and students of color."

Adrienne Decker, PhD, an esteemed associate professor of engineering education, as well as an adjunct professor in UB's Department of Computer Science and Engineering, expressed the purpose of their project, stating, "Through this initiative, our aim is to empower faculty members to embrace equitable grading practices within their computer science classrooms. Our ultimate goal is to develop comprehensive resources and remove barriers to the adoption of these proven techniques, which have demonstrated remarkable efficacy in enhancing student learning."

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In Memoriam

UB Davis Hall conference room dedicated to groundbreaking computer scientist Sargur Srihari

Sargur "Hari" Srihari was, in many ways, a visionary. The professor of computer science taught machines to read handwriting, laying the groundwork for even more significant advancements in machine learning and artificial intelligence.

113Y Davis Hall will now be known as the Sargur Srihari Conference Room and feature a plaque and other items that commemorate Srihari's legacy.

Located in SEAS' signature building, the space was formally dedicated with a ceremony last week attended by Dean Lewis and other university leadership, as well as Srihari's colleagues, students and family.

"With this dedication, we recognize Hari's outstanding contributions to our university, and in particular, our School of Engineering and Applied Sciences," said UB President Satish Tripathi, also a professor of computer science. "This installation shows that Hari's name will always have a place of prominence in our engineering school, just as his memory will always stay in our hearts."

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