

Important Dates

Summer Registration Begins **Mar 12**

Spring Break Begins **Mar 19**

Resign Deadline **Apr 20**

Last Day of Spring **May 11**

SEAS Undergraduate Commencement **May 19**

Information Sessions

Southwest Research Institute

Feb 26 | 5-6:30 pm | Davis 113A

If you're looking to pursue a career in connected vehicle technologies, unmanned systems, machine learning, robotics, embedded systems, transportation systems, or cybersecurity, come learn about Southwest Research Institute. Pizza and refreshments will be provided.

See attached for additional SwRI info.

TESLA Workforce Information Session

March 2 | 10 am | Buffalo Employment & Training Center

Tesla is accelerating the shift toward sustainable transport and energy consumption by producing the world's best electric cars and energy generation and storage systems. We hire the world's best and brightest people to help make this future a reality. Anyone interested in learning more about careers in solar and advanced manufacturing is invited to attend!

77 Goodell St. Buffalo, NY 14206

Navy Careers: Nuclear Power and Civil Engineering Corps.

March 7 | 5-6 pm | Talbert 107

U.S. Navy Recruiting Officer Johnny Harper will be visiting campus with national representatives of the Nuclear Power and Civil Engineering fields to share information about Navy Officer opportunities in these areas. Undergraduate students of all engineering majors are encouraged to attend. See the above "Job Descriptions" to learn more about the types of roles available to engineering students. [Job Descriptions.](#)

FEB 26 2018

ANNOUNCEMENTS

SEAS Distinguished Speaker

Canan Dagdeviren | MIT
Feb 27 | 3:45pm | Davis 101
"The Biology Meets Its Match"
[See Seminar Abstract & Speaker Biography.](#)

CSTEP Summer Research Program

Applications due March 15 for the CSTEP SRP, an intensive research experience to enhance the competitiveness of talented underrepresented students.

See attached for more info & application.

Save the Date

Women in STEM
Cooperative Summit.
April 18 | 8:30-2:00
[Check out the Website.](#)



University at Buffalo

Department of Mechanical and Aerospace Engineering
School of Engineering and Applied Sciences

mae.buffalo.edu

To post to the weekly bulletin, contact Brittany Sandor at bsmetank@buffalo.edu



SOUTHWEST RESEARCH INSTITUTE

If you're looking to pursue a career in connected vehicle technologies, unmanned systems, machine learning, robotics, embedded systems, transportation systems, or cybersecurity, come learn about Southwest Research Institute at The University of Buffalo:

Monday February 26th, 5:00-6:30pm

Davis Hall Room 113A

Pizza and refreshments will be provided!



What is SwRI?

We are R&D problem solvers located in the great city of San Antonio, Texas providing independent, premier service to government and industry clients. Operating as a nonprofit since our 1947 inception, we work in the public's best interest and toward the betterment of mankind. Our multidisciplinary nature allows us to rapidly assemble diverse teams to tackle problems from multiple directions. We push the boundaries of science and technology to develop innovative solutions that advance the state of the art and improve human health and safety.



Find opportunities at www.swri.jobs

Our Campus:

- 1200 acres with state of the art labs
- Fitness complex and intramural sports
- Cafe and Medical Clinic



NO LIMITS

Take your science
and engineering
CAREER
to the next level



SOUTHWEST RESEARCH INSTITUTE



WE ARE PROBLEM SOLVERS

Our scientists and engineers develop premier solutions for clients in government and industry. People from around the globe are drawn to SwRI to work on cutting-edge research in world-class facilities. They stay for the culture rooted in our mission and vision to benefit mankind. Employees are our greatest asset, so we promote a healthy work-life balance and connection to the community.



Funding for internal research • Sport and recreation programs • Onsite cafeteria • Onsite credit union • Onsite fitness center

ADVANTAGES

Wellness programs • Continuing education • Onsite physician and medical clinic • Client interaction • Business development opportunities • World-class laboratories

EXTRAS

Competitive pay • Medical, dental, and supplemental insurance plans • Retirement plans with employer contributions • Paid time off • Training and development • Opportunities for advancement

BENEFITS

WHAT YOU GET

Our work is **RELEVANT.**

Our solutions have improved safety for transportation and other industries, such as autonomous vehicle technologies that help protect road workers from distracted drivers.

Our work is **FUNDAMENTAL.**

Our discoveries have rewritten the history books, such as our exploration of Pluto and its moons.

ABOUT US

Providing independent, trustworthy, and unbiased R&D for government and commercial clients since

1947

2,650+
employees

275+ doctoral degrees
510+ master's degrees
690+ bachelor degrees

41 and counting
R&D **100** awards

6,500 projects per year



CAREER OPPORTUNITIES

Our multidisciplinary approach to problem solving is also our challenge. We need professionals from a variety of disciplines:

SCIENCE
ENGINEERING
PROFESSIONAL SUPPORT
TECHNICAL SUPPORT
ADMINISTRATIVE

Find your place tackling challenges in projects spanning from deep sea to deep space and everything in between.

Our work is **APPLIED.**

Our expertise solves tough industry challenges, such as using innovative solutions to harness the power of solar energy.

Our work is **QUIRKY.**

Serious problems sometimes require unusual solutions, such as our "anti-traction" material developed to protect embassies and other facilities from rioting crowds.



10 technical divisions

1,200 acres

2,000,000 square feet of laboratories

1,250+ patents
501(c)(3) nonprofit

HEADQUARTERED IN SAN ANTONIO, TEXAS • OFFICES WORLDWIDE

JOIN THE SwRI FAMILY

We're located in the heart of Texas with a thriving economy, affordable cost of living, and a sunny climate with excellent schools and universities.

Family-friendly San Antonio offers a vibrant community with natural beauty and proximity to outdoor activities, arts, culture, and nightlife. Once you visit, you'll want to stay for a lifetime.

Complete an application at
swri.jobs



SAN ANTONIO, OUR HOMETOWN

7th
largest
U.S. city

Rich art, music,
and culture



Excellent
healthcare
facilities



Active night life
and dining



STEM
colleges
and
universities



More than
185
parks and natural
areas offer year-round
outdoor activities

Sports teams,
including
5-time
champion
**San Antonio
Spurs**



10-DAY
fiesta
Celebration



TACOS
anywhere in town



Various
amusement
parks

High-
tech
ventures



SOUTHWEST RESEARCH INSTITUTE®

*Benefiting government, industry,
and the public through innovative
science and technology*

swri.org



An Equal Employment Opportunity/Affirmative Action Employer
Race/Color/Religion/Sex/Sexual Orientation/Gender Identity/National Origin/Disabled/Veteran
Committed to Diversity in the Workplace



SOUTHWEST RESEARCH INSTITUTE

JOIN US

SwRI Internship Program

Seeking science and engineering majors who want hands-on experience in our world-class laboratories.

swri.jobs

OPPORTUNITY

Located on 1,200 acres of green space, our campus features 2 million square feet of laboratories and workshops along with a state-of-the-art fitness center, a full-service cafeteria, and miles of hike-and-bike trails. Apply with the technical division that's right for you and your major: Intelligent Systems, Space Science, Mechanical Engineering, Defense & Intelligence Solutions, Automotive Engineering, Chemistry, Applied Physics, or Geosciences.

PERKS

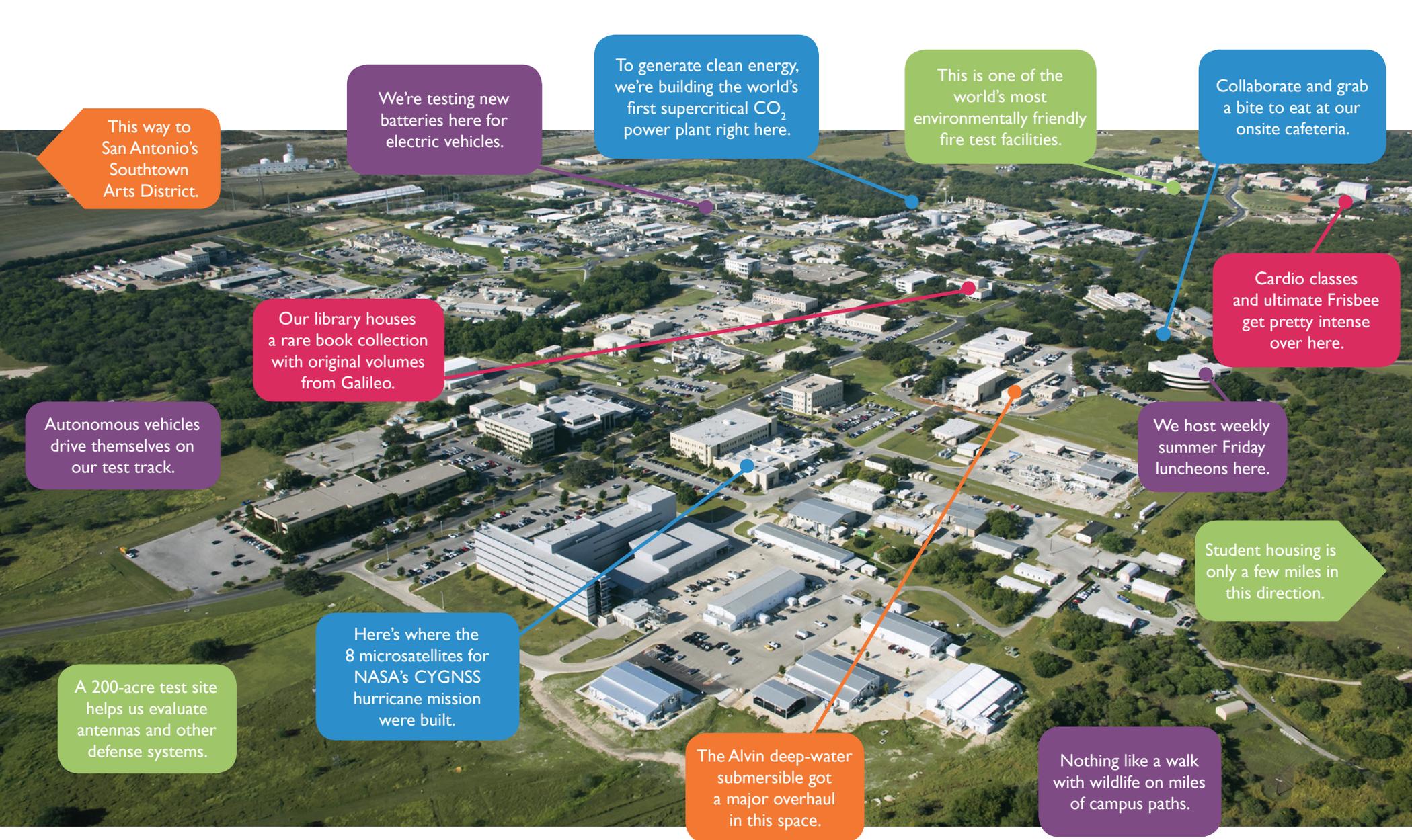
Our interns contribute to meaningful work that makes its way into actual service. In exchange, we provide competitive pay, complimentary housing, and paid transportation to and from San Antonio. You can also join the camaraderie at a summer social, end-of-summer intern presentations, and multiple volunteer events.

Interested in applying? Applicants must be enrolled in an accredited university, with a GPA of 3.0 or above.

COMMUNITY

Spend your summer in the heart of Texas.

Beautiful and vibrant San Antonio is home to a thriving downtown scene with art, museums, and nightlife as well as summer festivals and concerts. Seek out camping and kayaking in the rivers of the Texas Hill Country or plan a day or weekend trip to Austin or the beaches of the Gulf of Mexico.



This way to San Antonio's Southtown Arts District.

We're testing new batteries here for electric vehicles.

To generate clean energy, we're building the world's first supercritical CO₂ power plant right here.

This is one of the world's most environmentally friendly fire test facilities.

Collaborate and grab a bite to eat at our onsite cafeteria.

Our library houses a rare book collection with original volumes from Galileo.

Cardio classes and ultimate Frisbee get pretty intense over here.

Autonomous vehicles drive themselves on our test track.

We host weekly summer Friday luncheons here.

A 200-acre test site helps us evaluate antennas and other defense systems.

Here's where the 8 microsattellites for NASA's CYGNSS hurricane mission were built.

Student housing is only a few miles in this direction.

The Alvin deep-water submersible got a major overhaul in this space.

Nothing like a walk with wildlife on miles of campus paths.

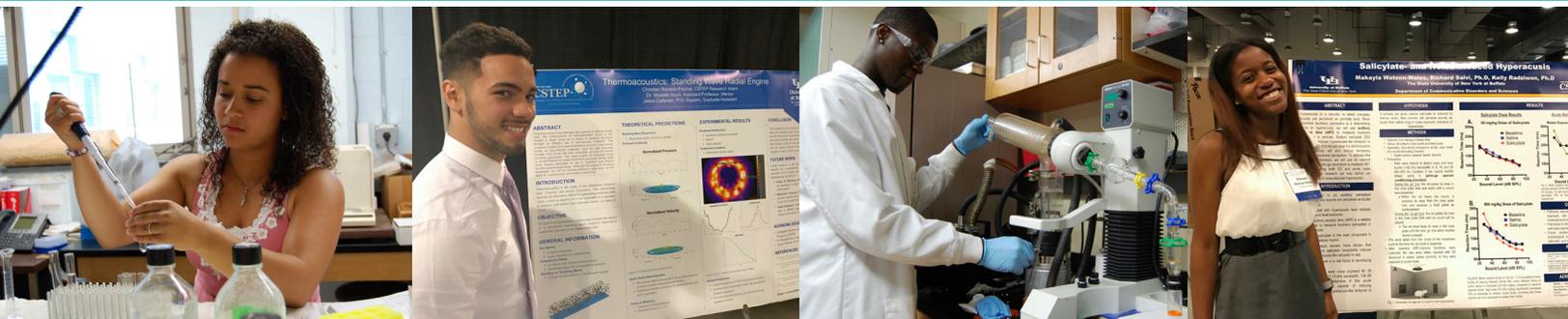
Join our team of interns working on challenging and exciting R&D projects.

Apply at swri.jobs.



An Equal Employment Opportunity/Affirmative Action Employer
Race/Color/Religion/Sex/Sexual Orientation/Gender Identity/
National Origin/Disabled/Veteran
Committed to Diversity in the Workplace

The Collegiate Science & Technology Entry Program presents...



CSTEP 2018 SUMMER RESEARCH PROGRAM

Application Deadline:

THURSDAY, MARCH 15, 2018

Students accepted into the program will be notified by March 30, 2018

Here's what's in it for you:

- \$3,400 Stipend & Meal Card
- Faculty Mentorship
- Intensive, Challenging Research Experience
- Research Methods Seminar (3-credits)
- Graduate School Preparation
- Networking with Professionals, Faculty, & Peers
- Weekend Fieldtrips
- Community Service
- Development of Soft Skills via Seminars with Experts
- All Expenses Paid to Attend & Present at the UB Undergraduate Research Conference

Total Value = \$4,800!

Send completed apps to:

Shanna Crump-Owens, Director
CSTEP Summer Research Program
University at Buffalo
222 Norton Hall
Buffalo, NY 14260
(716) 645-2234
sicrump@buffalo.edu

What's the Summer Research Program about?

The CSTEP Summer Research Program (SRP) is an **intensive** research experience to enhance the competitiveness of talented underrepresented students pursuing the licensed professions or STEM majors. Participants will be better equipped to gain admission into graduate or professional school programs. Also, the CSTEP SRP will strengthen your research skills and expose you to the rigors of graduate study. Additionally, you will develop your research presentation abilities, learn about the culture of research, and much more!

Who's eligible for the Summer Research Program?

- U.S. citizen or permanent resident
- Underrepresented (African-American, Latino, Native American) or economically disadvantaged
- At least a rising sophomore with two semesters of science coursework completed
- UB students pursuing a STEM or allied health professions
- Minimum 2.8 GPA

How's the Summer Research Program structured?

8.5-week program from **May 29 – July 26, 2018.**

Students are matched with a faculty mentor to conduct research for 25 hours per week. Additionally, participants will attend a research methods seminar, workshops, and fieldtrips. The program culminates with our capstone Research Poster Symposium where students present their research to peers, faculty, and the University community.

How do I apply?

- Completed 2-part CSTEP SRP Application (found at tinyurl.com/cstepsrp and 222 Norton)
- Personal Statement
- Two Letters of Recommendation (e.g. faculty, supervisor, staff and/or advisors)
- Copy of UB Student ID
- Official College Transcript
- Résumé



FOR MORE INFORMATION ABOUT THE CSTEP SUMMER RESEARCH PROGRAM & THE APPLICATION: COME TO 222 NORTON AND VISIT OUR WEBSITE CPMC.BUFFALO.EDU/CSTEP/RESEARCH/SUMMER.PHP



**COLLEGIATE SCIENCE & TECHNOLOGY ENTRY PROGRAM (CSTEP)
SUMMER RESEARCH PROGRAM (SRP) COVER SHEET**

Applications are due on or before Thursday, MARCH 15, 2018

SRP CHECKLIST: SUPPORTING DOCUMENTS

- | | |
|---|--|
| <input type="checkbox"/> Official transcript(s) (copies are not accepted) with this Cover Sheet | <input type="checkbox"/> 1-2 page Personal Statement – include with this Cover Sheet |
| <input type="checkbox"/> Two Letters of Recommendation – can be emailed by sender (At least one from a faculty member or supervisor on letterhead) | <input type="checkbox"/> Resume with this Cover Sheet |
| <input type="checkbox"/> Copy of your Student ID | |

PART 1. CSTEP SRP BIOGRAPHICAL/ACADEMIC INFORMATION

Please print clearly *All information requested is required

BIOGRAPHICAL INFORMATION		
Name:		
Local/Campus Address:		
City, State, Zip Code:		
Local/Mobile Phone:	() -	
Email Address:		
Permanent Address:		
City, State, Zip Code:		
Person Number:		
Date of Birth:		
Gender:		
Ethnicity:		
United States Citizen:	Yes	No
Permanent Resident: _____ (Yes/No)	Alien Registration number:	-
Total Family Income:		
Number in Household:		
ACADEMIC INFORMATION		
Class Level:		
Major and GPA:		
Highest degree you plan to pursue: Master's/Doctorate/Professional		
Anticipated Graduation Date:		
Area of research you are interested in:		
Have you identified a faculty mentor? If so, please provide their name and contact information:		
Please list other programs that you have participated in or currently participate in:		

PART 2. CONTINUE TO ONLINE APPLICATION FOR CSTEP SRP

Please follow this link <http://tinyurl.com/cstepsummer> for the application. Please see CSTEP staff if you have any questions with the application process.





COLLEGIATE SCIENCE & TECHNOLOGY ENTRY PROGRAM (CSTEP) SUMMER RESEARCH PROGRAM (SRP) COVER SHEET

Applications are due on or before Thursday, MARCH 15, 2018

PERSONAL STATEMENT

1-2 pages (12-pt font with 1-inch margins) describing your interest in STEM or the allied health professions, research, and the Summer Research Program. Include your prior research experiences, academic plans, as well as your short and long term professional goals. Lastly, how can the CSTEP SRP contribute to your goals and professional aspirations, and what do you hope to gain and accomplish, if selected?

REFERENCES

List 2 anticipated references (at least one faculty member) and provide a letter of recommendation from each:

1. Name: _____ Title: _____

2. Name: _____ Title: _____

STATEMENT OF UNDERSTANDING

The CSTEP Summer Research Program is designed to benefit talented students who are in serious pursuit of advanced degrees in STEM and the allied health professions, where there is a critical shortage of underrepresented students. I certify that the information in my application is accurate and complete. If selected, I understand that this is a full-time commitment and I agree to participate in ALL aspects of the summer research program. Failure to do so will result in additional requirements in order to receive stipend(s).

Applicant's Signature: _____

Date: _____

Submit completed application to:

Shanna Crump-Owens, CSTEP Director
University at Buffalo
222 Norton Hall
Buffalo, NY 14260
Email: sicrump@buffalo.edu
(716) 645-2234





COLLEGIATE SCIENCE & TECHNOLOGY ENTRY PROGRAM (CSTEP)
SUMMER RESEARCH PROGRAM (SRP)

Recommendations are due on or before **Thursday, MARCH 15, 2018**

-RECOMMENDATION FORM-

TO BE ENCLOSED WITH LETTER OF RECOMMENDATION

TO BE COMPLETED BY APPLICANT

Name: _____

Email: _____ Phone: () - _____

Under the Family Education Rights and Privacy Act, a student participating in the CSTEP Summer Research Program has access to his/her program file. CSTEP wishes to comply with this law, while still allowing the student to waive the right to access. If you wish to waive the right to examine this recommendation later, please sign here:

Applicant's signature: _____ Date: _____

TO BE COMPLETED BY RECOMMENDER

An application for admission to the CSTEP Summer Research Program requires recommendations from two individuals who are capable of judging the professional and academic promise of the applicant. Return this recommendation form with a letter of reference in a sealed envelope, with your signature written across the seal, by **Thursday, March 15, 2018**. The recommendation could be returned **via email with the Subject Line "SRP Recommendation Letter"** or brought to the following:

Shanna Crump-Owens
 CSTEP Director
 University at Buffalo
 222 Norton Hall
 Buffalo, NY 14260
 Email: sicrump@buffalo.edu
 (716) 645-2234

Recommender's Name: _____ Title: _____

Address: _____

Telephone: () - _____ Email: _____

In what capacity do you know the applicant? _____

How long have you known the applicant? _____

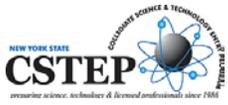
How does this applicant compare with her or his peer group in academic ability?

Exceptional Above Avg. Avg. Below Avg.
 (Among the very (Top 25%) (High ability) (Lower 50%)
 best you have known)

The CSTEP program would appreciate a candid statement from you concerning the applicant named above. **Please comment in detail** concerning the applicant's accomplishments, abilities, character, and capacity for success as a student in the summer research program.

 Signature

 Date





**COLLEGIATE SCIENCE & TECHNOLOGY ENTRY PROGRAM (CSTEP)
SUMMER RESEARCH PROGRAM (SRP)**

Recommendations are due on or before Thursday, MARCH 15, 2018

-RECOMMENDATION FORM-

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TO BE COMPLETED BY APPLICANT

Name: _____

Email: _____ Phone: (_____) _____ - _____

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Shanna Crump-Owens
CSTEP Director
University at Buffalo
222 Norton Hall
Buffalo, NY 14260
Email: sicrump@buffalo.edu
(716) 645-2234

Recommender's Name: _____ Title: _____

Address: _____

Telephone: _____ (_____) _____ - _____ Email: _____

In what capacity do you know the applicant? _____

How long have you known the applicant? _____

How does this applicant compare with her or his peer group in academic ability?

Exceptional Above Avg. Avg. Below Avg.
 (Among the very (Top 25%) (High ability) (Lower 50%)
 best you have known)

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Signature

Date

