

LAURA SOUTH

Boston, MA – 720.525.9925 – south.l@husky.neu.edu

EDUCATION

Northeastern University (Boston, MA)
Ph.D in Computer Science

2018 – 2023

Colorado State University (Fort Collins, CO)
BS in Computer Science and Statistics

2014 – 2018

WORK EXPERIENCE

NSF Research Intern, Rutgers University New Brunswick, NJ

May 2017 – July 2017

- Conducted original research on shoulder surfing attack vulnerabilities in mobile authentication systems with mentor Dr. Janne Lindqvist (“Informing Guessing Attacks on Publicly Performed Secrets”), publication planned to be within the next year

Honors Thesis, Colorado State University Fort Collins, CO

August 2017 – December 2017

- Designed and implemented in Python a photosensitive risk detector to protect epileptic individuals from inadvertently viewing seizure-inducing media while browsing the web
- One of less than ten computer science seniors completing an undergraduate thesis

Hewlett Packard Enterprise, Technical Solutions Intern Fort Collins, CO

May 2016 – present

- Designed, implemented and maintained multiple business value calculators that is used worldwide by 100+ sales representatives to generate predictive cost analysis for potential customers (written in JavaScript and Java)
- Assisted with the development of several data-driven sales programs, including making weekly dashboards and regularly managing datasets with 200,000+ entries
- Nominated for company-wide Innovation and Excellence award by direct manager

Computer Science Department, Teaching Assistant Fort Collins, CO

August 2016 – December 2016

- Taught weekly recitation sections for sophomore level Computer Organization course, covering topics such as C, assembly programming, logic, and hardware.
- Coordinated with professors, graduate TAs, and undergraduate TAs to update existing curriculum to include new topics and assignments

LEADERSHIP EXPERIENCE

Association for Computing Machinery – Women, President

January 2016 – present

- Organized monthly professional development and community building events, including internship Q&A panels, presentations from female engineers at leading companies, and group-coding nights
- Worked with department to create promotional video to showcase female faculty, students, and alumni at CSU, then presented video to all introductory classes

Undergraduate Women in Economics, Event Coordinator

September 2015 – present

- Founding member of club dedicated to the advancement of women in the Economics department at Colorado State University
- Worked with multiple professors to implement new strategies in introductory Economics courses to improve retention rates of female students
- Selected to represent CSU at the first annual UWE national conference in Charlottesville, VA to present on our progress and gain ideas for future initiatives

SKILLS

Languages: Python, R, JavaScript, HTML, CSS, Java, C++, C

Operating Systems: Windows, Linux, Mac

Tools/Methodologies: Scrum, Git/Github, JUnit, D3, Excel, Test Driven Development

AWARDS & HONORS

Microsoft Travel Fellowship

August 2018

- Full support to attend 2018 Cornell, Maryland, Max-Planck Pre-Doctoral Research School in Saarbrücken, Germany

Thomas J Heidenfelder Scholarship

May 2016 – May 2018

- Close to full tuition support, awarded annually to one computer science student with high academic achievement and demonstrated service to the field

Student Speaker, College of Natural Sciences Scholarship Reception

October 2017

- Selected by the Office of the Dean to represent all scholarship recipients and deliver address to students, faculty, and donors

Grace Hopper Conference Scholarship

October 2016

- Received full support from CSU Computer Science department to attend 2016 Grace Hopper Celebration of Women in Computing