
OBJECTIVE To build my software development skills as well as my understanding of human-computer interaction through research and internships.

EDUCATION

MEREDITH COLLEGE

B.S. Computer Science, minors in Mathematics and Graphic Design

Honors Scholar

GPA: 3.31

Expected Graduation: May 2019

RELEVANT EXPERIENCE

RESEARCH EXPERIENCE FOR UNDERGRADUATES (REU): SECURE SOFTWARE TESTING FOR WEB AND MOBILE

APPLICATIONS, UNIVERSITY OF NORTH TEXAS

Summer 2017

- Utilized C++, Python, and MATLAB to create and implement a deep neural network over encrypted data
- Employed homomorphic encryption to encrypt plaintext datasets for use by the neural network (using the HElib library in MATLAB)

TECHNOLOGY SERVICES HELPDESK STAFF, MEREDITH COLLEGE

Fall 2016-Spring 2017

- Resolved and communicated about issues involving network downtime, software troubleshooting, and phishing scams
- Supported the department's outreach efforts through social media and website management

PARTNERS FOR THE ADVANCEMENT OF GIFTED EDUCATION (PAGE) SUPER SATURDAY PROGRAM (SSP) MEREDITH

STUDENT LIAISON AND VOLUNTEER, RALEIGH, NC

May 2016-Present

- Used my programming knowledge to help lead the "Intro to Intermediate Coding" course for academically-gifted students in grades 3-5
- Recruit, organize, and assemble all needed volunteers for the Super Saturday event held each semester by assessing their majors, qualifications and interests and then determining their best fit

DIAMONDHACKS HACKATHON PARTICIPANT, NORTH CAROLINA STATE UNIVERSITY

September 2016

- Used web development skills to help develop a Chrome Extension (demo) that determines, when activated, the correct fit of clothes in online stores from crowdsourced fit data gathered from other users
- Designed the logo and interface for the application using PhotoShop, InDesign, HTML and CSS

TECHNICAL SKILLS

- | | | |
|-----------------------------|--------------|--|
| • Java | • C++ | • Adobe Suite: Adobe Illustrator, |
| • HTML, CSS | • PHP | • Photoshop, and InDesign |
| • Python | • SQL | • MATLAB |
| • JavaScript, jQuery | | |

LEADERSHIP & INVOLVEMENT

- President, Canaday Mathematics and Computer Science Club
- 2019 Class Senator, SGA Senate
- Honors Committee Member-at-Large, Honors Program
- Secretary, Silver Shield Honors Society

HONORS AND AWARDS

- 1st Place, *Vivian Kraines' Mathematics Competition at Meredith College, 2015 and 2016*
- Dean's List in Fall 2015 and Spring 2016*
- Honors Scholar*
- Alpha Lambda Delta Honors Society Member*

COURSEWORK

Software Engineering, Computer Graphics, Databases, Data Structures & Algorithms, Networking and Operating Systems, Discrete Mathematics, Web Programming with Databases, Interactive and Responsive Design