Collin Reilly Clark `<crclark@udel.edu>`

610-742-3854 https://collinreillyclark.com

EDUCATION

University of Delaware *September 2015 - May 2019*
Bachelor of Engineering in Computer Engineering
Bachelor of Science in Computer Science
Minor in Mathematics, Cybersecurity
- 4.0 GPA
- Tau Beta Pi Engineering Honors Society
- Eta Kappa Nu Electrical and Computer Engineering Honors Society
- General Honors Award

COMPUTING PROJECTS AND ACCOMPLISHMENTS

- TOP SECRET//SPECIAL INTELLIGENCE/TALENT-KEYHOLE active security clearance
- Agency Special Background Investigation (SBI) and polygraph
- President of the University of Delaware's Linux Users' Group
- Vice President of Eta Kappa Nu Electrical and Computer Engineering Honors Society
- Undergraduate Summer Scholar project with Professor Sunita Chandrasekaran
  Parallelizing Bioinformatics and Medical Imaging Applications: A Directive Based Approach
- Hoya Hacks, Best Software Award
  Developed software interface for the Myo Gesture Control to interpret basic ASL signs and translate into speech
- Google Games, First Place
  Awarded first place in Google's campus-wide group computing puzzle competition
- Attendance at SC16 and SC17 Supercomputing Conferences for selective student volunteer programs
- Participated in NYU's CSAW CTF security competition 2017-18

SKILLS

- Programming in languages including C, VHDL, Python, Java, Bash, Javascript
- Experience with Radare2, Docker, Apache Spark, SQL, x86 and MIPS assembly

WORK EXPERIENCE

United States Department of Defense *May 2018 - August 2018*
Computer Science Intern
- Wrote and revised custom functions from the Pig language to add additional layers of parallelism and new features to an existing script servicing a full team of analysts. As a result, execution time dropped 66%
- Designed plugin script to automate dataflow decryption and normalization
- Upgraded and rewrote data query frontend servicing many users within the organization

University of Delaware EECIS Department *August 2016 - Present*
Labstaff
- Maintain the university's servers and computer systems for web hosting, data backups, and production. Specifically managing systems equipped with Graphics Processing Units designed for high performance computation for courses and research

University of Delaware Residence Life and Housing *August 2016 - May 2018*
Resident Assistant
- Promoted academic excellence, addressed student needs, and encouraged involvement among residents in a way that supported the mission of the University and the Department of Residence Life and Housing

Golden Egg Labs, LLC *December 2017 - February 2018*
Embedded Hardware Engineer
- Developed firmware for TI's MSP430 microcontroller to interface with custom hardware providing dental professionals with an all-in-one piece of equipment.

Visionist, Inc *May 2017 - August 2017*
Software Engineer Intern
- Developed internal network monitoring application focused on providing a general overview of network activity when given access to network logs. Gained experience in streaming, analytics, and full-stack programming