Collin Clark `<crclark@udel.edu>`

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

EDUCATION

University of Delaware   *September 2015 - May 2019*
Bachelor of Science in Computer Engineering
Bachelor of Science in Computer Science
Minor in Mathematics
Minor in Cybersecurity

- 4.0 cumulative GPA
- Tau Beta Pi Honors Society
- General Honors Award

COMPUTING PROJECTS AND RESEARCH

- Network Characterizer Internal Research and Development at Visionist, Inc
  Scalable, containerized streaming-analytics with a web front-end focused on monitoring networks for unusual activity, resolving entities between different data sources, and providing analysts with a general-purpose tool to begin investigation of network activity.
- Undergraduate Summer Scholar project with Professor Sunita Chandrasekaran
  Parallelizing Bioinformatics and Medical Imaging Applications: A Directive Based Approach
- Ongoing Research Project with Professor Sunita Chandrasekaran
  Exploring programming models for large scale computing systems
  Learning high-level directive-based programming models such as OpenMP, OpenACC
  Applying OpenACC to The Scalable Heterogeneous Computing Benchmark Suite (SHOC)
- Attendance at SC16 and SC17 Supercomputing Conferences for selective student volunteer programs
- Vice President of the University of Delaware's Artificial Intelligence Club
- Vice President of the University of Delaware's Linux Users' Group

SKILLS

- Programming in languages including C++, Python, Java, Bash, Embedded C
- Experience in Docker, Apache Spark, SQL
- Over 200 hours of crisis intervention and training

WORK EXPERIENCE

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 - Present*
Resident Assistant

- Promote academic excellence, address student needs, and encourage involvement among residents in a way that supports 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