

Megan Hickman Fulp

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Education

Bachelor of Science, Computer Science (Honors) (ABET Accredited), Minor in Mathematics

August 2015 - May 2019

Coastal Carolina University, Conway, South Carolina

Cumulative GPA: 3.950

Master of Science, Computer Engineering (ABET Accredited)

August 2019 - Present

Clemson University, Clemson, South Carolina

Cumulative GPA: N/A

Work Experience

RESEARCH ASSISTANT | Los Alamos National Laboratory | Los Alamos, NM | August 2017 - Present

- Conducted data analysis research on various types of data sources from High Performance Computers.
- Implemented an array of data analytic tools including R, Python, ElasticSearch, and Apache Spark.
- Engaged in weekly team progress meetings to discuss findings.
- Participated in research on-site and off-site year-round.

MALWARE ANALYST | Wetstone Technologies | Myrtle Beach, SC | August 2016 - July 2017

- Researched various types of malware and obtained samples or MD5 hashes to include in a repository.
- Located potentially malicious applications, examined their contents, then added samples to a database.
- Automated processes of taking apart malware to prevent duplicates of malware in the repository.
- Disassembled various tools such as keyloggers, toolkits, and spyware to determine their uniqueness.

COMPUTER SCIENCE TUTOR | CCU Dept. of Science | Conway, SC | August 2016 - May 2017

- Assisted students with gaining a better understanding of various Computer Science related material.

COMPUTER SCIENCE TEACHING ASSISTANT | CCU Dept. of Science | Conway, SC | 2017

- Assisted students with coding in Java.
- Graded assignments dealing with Java programs.

Awards, Activities & Affiliations

Outstanding Student Award: Coastal Carolina University, Dept. of Science | May 2019

Computer Science - Awarded to one student per major for academic achievements and co-curricular activities.

Honors Fellowship: Coastal Carolina University, Dept. of Honors | 2015 - May 2019

Fellow - Organized orientation, mentored students, completed research.

Upsilon Pi Epsilon: Coastal Carolina University | 2017 - May 2019

Member - Computer Science Honor Society

Vice President, Fall 2019

CCU ACM Student Chapter: Country-wide, Coastal Carolina University | 2017 - May 2019

Founder and Vice Chair- Association for Computing Machinery, 2017 - 2018

Chair, May 2018 - May 2019

CCU Women In STEM Fellowship: Coastal Carolina University | January 2018 - May 2019

Mentor - Women in the Sciences Club

Ekklesia Christian Church: Conway, South Carolina | 2016 - Present

Setup Crew Member, Audio and Video Team Member - Volunteer Position

Website Development Leader - Volunteer Position, <http://ekklesiachristianchurch.com/>

Technical Knowledge

Operating Systems	Windows Linux OS X
Programming Languages	R Python PySpark Java C SQL HTML
Software	ElasticSearch Kibana MATLAB Jupyter Notebooks RStudio
Multimedia Software	Microsoft Office products Adobe Products Alice Sketchup Anim8or

Publications

Enhancing HPC System Log Analysis by Identifying Message Origin in Source Code, Megan Hickman, Dakota Fulp, Elisabeth Baseman, Sean Blanchard, Hugh Greenberg, William Jones, and Nathan DeBardeleben, the 29th IEEE International Symposium on Software Reliability Engineering (ISSRE 2018), October 2018, Memphis, TN, USA.

<https://ieeexplore.ieee.org/document/8539171>