Emily Summers

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Education
University of West Florida
Master of Science, Computer Science   January 2021 – May 2023
Subspecialty: Data Science

University of West Florida
Bachelor of Science, Biomedical Sciences   Aug 2017 – May 2020
Kugelman Honors Program

Purpose
Detail-oriented and analytical computer scientist and former biologist with a Master's in Science in Computer Science and a Bachelor in Science in Biomedical Sciences. I am quipped with a diverse skill set encompassing data analytics, statistical analysis, and programming. Seeking a challenging position where I can apply my strong technical proficiency and problem-solving abilities to extract meaningful insights and apply quantitative skills to fulfill a greater purpose.

Programming Languages
Java, Python, C++, HTML/CSS, JavaScript, Linux, C, SQL, NoSQL, R

Software
Jupyter Notebook, IntelliJ, Eclipse, JGrasp, NetBeans, Google Collab, Visual Studio Workspace, GitHub, Android Studios, Hadoop and Spark, WordPress

Previous Experience
Research Assistant - Machine Learning and Big Data Analytics   August 2022 – July 2023
- Used pyspark and the Hadoop framework to process malware data from the Zeek log dataset.
- Produced products to use machine learning to result in data insights.
- Contributed towards the creation of a network intrusion detection system.

Graduate Assistant - University of Florida Goldberg Gators Engineering Explorers Summer Camp   June 2023 – July 2023
- Introduced microbit and block-coding principles to 6-8th graders in a summer camp environment.

Computer Science Professor and Teacher's Assistant   Spring 2018 – December 2021
- Teacher assisted for undergraduate laboratory courses in Chemistry for the University of West Florida
- Prepared coursework for teaching web and app design for western-based K-8 grade students for a semester.

Clinical Trial Coordinator   Spring 2018 – Fall 2019
- Prepared for audits, processed bodily fluids, electronic data entry and handled EKG and EMR review with content management system integration.

Laboratory Assistant - Alzheimer's Laboratory   Fall 2017 – Spring 2018
- Targeting tau proteins in cerebral spinal fluid for early detection of Alzheimer's Disease

Competitions
U.S Navy - Hack the Machine   May 2021
- Competition hosted by the U.S Navy, team placed top three in the Data Science track.

Activities
Association for Computing Machinery (ACM)
National Center for Women & Information Technology (NCWIT) – Volunteer

Presentations at Conferences and Workshops
Computing Research Association (CRA), Grad Cohort for Women, San Francisco, CA   April 2023
Association Rule Mining to Discover Common Associations and Attributes for Detection of Malware Data

National Regional Honors Conference (NCHC), New Orleans, LA   November 2019
Organizing and Evaluating Drug Recalls by the U.S FDA

Southern Regional Honors Conference (SRHC), Memphis, TN
Clinical Trials: Advocating for Sponsorship in Undergraduate Research   April 2019

Southern Regional Honors Conference (SRHC), Washington D.C, VA
Breaking Borders: The Case for a Universal Electronic Medical Record System in America   April 2018