

Emily Summers

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Education

University of West Florida

Master of Science, Computer Science
Subspecialty: Data Science

January 2021 – May 2023

University of West Florida

Bachelor of Science, Biomedical Sciences
Kugelman Honors Program

Aug 2017 – May 2020

Purpose

Detail-oriented and analytical Data Analyst with a master's degree in computer science and a bachelor's degree in biomedical sciences. I am quipped with a diverse skill set encompassing data analytics, statistical analysis, and programming. Seeking a challenging Data Analyst or Data Engineering position where I can apply my strong technical proficiency, problem-solving abilities to extract meaningful insights from data and drive data-driven decision-making.

Programming Languages

Java, Python, C++, HTML/CSS, JavaScript, Linux, C

Software

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

Previous Experience

Adjunct Professor, Computer Science (Part-Time)

July 2023 – Current

- Remote position teaching student's computer science principles at a two-year university in Texas.

Research Assistant - Machine Learning and Data Analytics

August 2022 – July 2023

- Used pyspark and the Hadoop framework to process malware data from the Zeek log dataset.
- Coded and produced machine learning code to produce data analytics results.
- 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

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