NEVINA FRESE

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EDUCATION

James Madison University, Harrisonburg, VA
Bachelor of Science, Computer Science
Minor, General Business
In Progress (Expected May 2024)

EXPERIENCE

Accenture Federal Services | Software Engineer Intern | Arlington, VA 5/2023-Present

- Worked as Data Engineer within Analytics team for Defense Portfolio
- Generated mock claims data utilizing Python & Databricks to allow for client pipeline to be built
- Assisted both Data Engineering & Data Science teams in Sprint tasks related to claims data analysis
- Utilized OMOP Mapping to create generalized format for all team's data

TeamLMI | Junior Software Engineer | Camp Hill, PA 5/2023-Present

- Serving as Junior Software Engineer and Project Manager for ongoing rewrite of online Hiring Assessment platform in Python
- Rewrote internal operations in Python, SQL, and HTML such as batch requests and applicant processing
- Utilizing industry practices and technology such as Cpanel, Flask, Zapier, Trello, and integrated them into functioning with our proprietary code
- *Ongoing project until November 2023*

Morehouse Instrument Company | Engineering/IT Intern | York, PA 5/2022-8/2022

- Collaborated with IT department in updating/integrating P1AM device code and Arduino code into 1 C++ program
- Spearheaded efforts in Engineering Department to convert drawings to digital models and simplified machines for both customer interfaces and engineers
- Modeled force and calibration machines using Solidworks to develop virtual workspace for clients

JMU Engineering | Student Research Assistant | Harrisonburg, VA 4/2021-12/2021

- Researched 3D Printing Techniques with Polypropylene, PLA, and Hemp Filaments
- Manipulated G-Code to test different plastic conditions
- Presented findings to UVA Graduate School of Engineering and NCUR 2021

LEADERSHIP AND PROJECTS

President | Women in Technology 1/2021-12/2022

- Led Student Organization centered around building a network of Women in STEM within JMU, as well as working with local schools in the Harrisonburg area to educate about Computer Science and Engineering, with 25% growth in membership since the beginning of term
- Worked alongside fellow STEM Organizations on Campus, as well as various companies to create networking opportunities and educate about job opportunities for Women in STEM
- Previously served as Public Relations Chair (September 2019-December 2020): ran social media accounts, created merchandise for the organization, and organized Social Media takeovers with virtual guest speakers
- Organizes joint events with organizations such as Society of Women Engineers, ACM-W and more

Data Acquisition Team Lead | JMU Turtle Tech Project with Northrop Grumman 8/2021-5/2022

- Led a team of 7 students to design and implement data acquisition technology in student-made buoy
- Programmed and calibrated pH & temperature sensors using ARDUINO and Python
- Organized meetings and progress check ins following SCRUM procedure with students, professors, and stakeholders

Lab Assistant | JMU Engineering Textile Fabrication Studio 9/2021-5/2022

- Developed curriculum and projects for fellow students to combine engineering and textile fabrication concepts
- Worked with professors and faculty to prototype technology for engineering research using sewing
- Experimented with textiles for prototyping and engineering use

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SKILLS

Programming Languages: Python, Java, HTML, SQL, C, CSS, C#, Javascript
Machinery & Software: INSTRON Flexural and Tensile Machines, 3D Printing, Soldering, Cpanel, Excel, Databricks, Unity
Other Skills: Leadership, Clear Communicator, Organized, Team Player, Public Speaking, AGILE (SCRUM)

CERTIFICATIONS

EAN Assertion-Evidence Method Certification/Badge, 2021
Google Analytics Certification, December 2018