ERIC RAMSEY

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SKILLS

TECHNICAL SKILLS

Python, Java, C, C++, JavaScript, TypeScript, HTML, CSS, Tailwind CSS, React, Next.js, Node.js, Paramiko, Scikit-Learn, TensorFlow, Flask, NumPy, GeoPy, Pandas, Git, GitLab, GitHub, GitLab, VS Code, Jupyter, Anaconda, Spyder, Vercel, SQL, Power BI, Unit Testing, Test Driven Development, Object Oriented Programming, Troubleshooting, Debugging

PROFESSIONAL SKILLS

Problem Solving, Critical Thinking, Communication, Collaborative, Flexible, Creativity, Time Management, Project, Management, Willingness To Learn, Reliable, Leadership, Accountability

EXPERIENCE

APRIL 2024 – PRESENT
SOFTWARE ENGINEER, MICATU INC.

- Developer and Engineering experience using Python, C, C++, to provide solutions for multi-threaded firmware and systems, as well as associated software and embedded firmware architectures.
- Ability to implement analytical and mathematical functions into efficient and real time optimized code capable of sampling, data acquisition, time domain, frequency and FFT analyses.
- Required skills necessary for testing and troubleshooting of software and firmware in prototype to production systems and environments.
- Developed new company applications to increase the efficiency of company departments, while also updating, refactoring, and maintaining legacy applications while preserving the products functionality when deployed.
- Ability to comprehend and contribute to complex systems containing combined electronics and photonics components as well as quickly learning innovative technologies.
- Implement quality code with comprehensive software/firmware verification testing in an Agile environment which required adaptability, creativity, critical thinking, and problem solving while meeting strict deadlines.
- Code review with peer developers providing constructive feedback to ensure consistency and quality of code.

DEC 2023 – APRIL 2024
ROBOTIC PROCESS AUTOMATION ENGINEER INTERN, CFCU

- Primary project during this internship was uChoose API application used to calculate and set member bonus reward points based on established requirements set by the credit union board members.
- Secondary responsibilities included strategizing, planning, documenting and developing automated technical solutions or tasks to increase the efficiency of business operations and overall functionality of departments.
- Required advanced efficiency in Object Oriented Programming (OOP), Python, PowerShell scripting, data analysis, UML Diagram for process representation, algorithm implementation, use case testing, attention to detail, troubleshooting, debugging, and the ability to communicate effectively with department leads.
- Required the ability to meet strict deadlines, effectively manage confidential member data without loss or negative impact on user experience, understanding of automation processes and software functionality.

JAN 2022 – JUNE 2023

INFORMATION TECHNOLOGY CO-OP, BORGWARNER INC.

- Provided technical support to automation hardware, implementation of software integration and installation on company machines to meet production and department requirements.
- Assisted Business Applications department in company database migration project to the replacement service the organization required implemented.
- Required knowledge and efficiency in technology-based tools such as Python, Command-Line, SQL, Active Directory, UGK, Data Structures, OOP, SQL Server RU Scorecard Management, Azure, Troubleshooting, effective communication with team and supported clients, Windows operating systems and applications.
- Completed the configuration of new employee user profiles, company devices such as phones or PCs, and attention to detail when allocating required access to necessary department directories containing confidential information and assisted in management of PC security compliance and tracking of devices.

JUNE 2021 – DEC 2021
SOFTWARE ENGINEER INTERN, TECH FOR GOOD INC.

- Main Project for this internship was Mission UpLink. The goal of this project was to assist in providing internet access to underdeveloped areas in countries that would benefit from this service. My team was tasked with developing an interactive map interface that would assist in identifying deploy UpLink hardware devices for the organization and reference for potential investors.
- Required knowledge of Python, Pandas, GeoPy for the task of creating an interactive virtual map representing deployed Mission UpLink Devices on a global scale. For implementing application to the company's open-source website, required efficiency in tools such as React, JavaScript, HTML and CSS to accomplish tasks set by the team lead for testing and deployment versions.
- Experienced the software application development and engineering lifecycle of the project, from planning phase, architecture definition, detailed design, scoping, implementation, testing, and maintenance stages. Engineering responsibilities also included the integration, deployment testing, and presentation of the application to be featured on the company's open-source website.
- Contributed to project development documentation, flowcharts, layouts, diagrams and contributed clean commented code. Utilized Git and GitHub for remote repository contributions and approvals of team lead requirements.

EDUCATION

2023 – 2024
LOUISIANA STATE UNIVERSITY, COMPUTER SCIENCE B.S.

2020 – 2022
FINGER LAKES COMMUNITY COLLEGE, COMPUTER SCIENCE A.S.

Dean's List 2021
Bill White Memorial Scholarship Recipient – Student Excellence in Technology Studies

PROJECTS

CS PORTFOLIO WEBSITE, APPLICATION DEVELOPMENT

Python, React, Tailwind CSS, HTML, JavaScript, TypeScript, Vercel, Git, GitHub, Maintenance, Troubleshooting, Debugging

CHATBOT, MACHINE LEARNING

Python, Flask, TensorFlow, NumPy, Data Structures, Algorithms, Object-Oriented Programming

NBA PREDICTIVE ANALYTICS, MACHINE LEARNING

Python, Pandas, NumPy, Scikit-Learn, Data Structures, Algorithms, Object Oriented Programming