# ERIC RAMSEY

SOFTWARE ENGINEERING • DATA • MACHINE LEARNING

## CONTACT

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## SKILLS & TECHNOLOGY

| | |
|---|---|
| Python | Visual Studio Code |
| Java | Jupyter |
| SQL | Pandas |
| JavaScript | Numpy |
| React | Scikit-Learn |
| Tailwind CSS | HTML |
| Git | TypeScript |
| Github | Vercel |

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## EDUCATION

Computer Science - B.S.

### Louisiana State University

2023 - 2024

Computer Science - A.S.

### Finger Lakes Community College

2020 - 2022

Dean's List 2021

Bill White Memorial Scholarship Award for Excellence in Technological Studies

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## CERTIFICATIONS

Software Development - University of Pennsylvania

Software & Web Development - Miles IT

SQL Database Design & Development - Miles IT

## PROJECTS

**CS Portfolio Website**
React, Next.js, JavaScript, Tailwind CSS, HTML, Vercel, VS Code, Git, Github

**Machine Learning - NBA Predictive Analytics**
Python, JupyterLab, TypeScript, Pandas, Numpy, Web Scraping, Machine Learning, Data Structures, Algorithms, Object Oriented Programming, Git, Github

**Machine Learning - NBA OKC Stat Predictions**
Python, JupyterLab, Pandas, Scikit-Learn, Machine Learning, Data Structures, Algorithms.

## WORK EXPERIENCE

### Robotic Process Automation Engineer Intern

**CFCU Community Credit Union**                    **Dec 2023 - Presentt**

- Primary project during this internship was the enterprise application uChoose, secondary was the automated teller system. This application was initiated shortly after my start date with the goal of developing and engineering an automation software and platform for credit union member reward points based on an established points system.
- Responsible for strategizing, planning, documenting and developing automated solutions to increase the efficiency of business operation and user tasks.
- Required advanced efficiency in Object Oriented Programming (OOP), Python, PowerShell scripting, data analysis, UML Diagram for process representation, use case testing, attention to detail, troubleshooting, debugging, and the ability to communicate effectively with other department leads.
- Required the ability to meet strict deadlines, effectively migrate confidential data without loss or negative impact on user information, understanding of automation processes and software, and the ability to plan, develop, and execute projects throughout the development life cycle.

### Information Technology Engineer Co-op

**BorgWarner Inc.**                    **Jan 2022 - June 2023**

- Responsible for database management and migration project of employee information to the new service the organization needed implemented. Utilized Python and SQL knowledge to efficiently contribute to the team and project's success.
- Provided technical support, hardware and software integration solutions to meet the requirements of the departments being supported.
- Utilized knowledge of Python, Command-Line, Data Structures, and Object Oriented Programming to provide efficient solutions for tasks such as transferring data to production machine upgrades.
- Remotely installed engineering software applications to client machines and communicated with required departments regarding the management and distribution of software licenses to authorized users.
- Completed the configuration of new hire user profiles, company devices, and allocated required access to necessary department directories using Azure and Active Directory.
- Assisted in SQL Server RU Scorecard management to ensure machines and devices operating on the organizations network were compliant with security protocols and requirements.

### Software Engineer Intern

**Tech For Good Inc.**                    **June 2021 - Dec 2021**

- Main project for this internship was Mission UpLink. This primary 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 display that would assist in identifying deployed devices for team and potential investor references.
- 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 the application to the company's open source website, utilizing JavaScript, HTML, and CSS was used to accomplish tasks set by the team lead for testing and deployment versions.
- Experienced the development and engineering lifecycle of the project and application, from conception, architecture definition, detailed design, scoping, planning, implementation, and testing. Also the integration and deployment testing of the application to be featured on the Tech For Good open source website.
- Contributed to project development documentation, flowcharts, layouts, diagrams and clean, commented code. Utlizited Git and Github for remote repository contributions and approvals of team lead requirements.