
EMPLOYMENT

Software Engineer Internship	Logic Solutions	July 2022 - September 2022
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12k Worksheet Helper (Timesheet Software)

- Created testing environments for codebase with Jetty or Apache Tomcat web servers
- Created API to query MySQL database for JSON formatted data
- Integrated API calls into mobile app endpoint for calendar input and database updates

Quantum Compliance SDS Management Software

- Debugged and resolved formatting issues with exporting, causing invalid values and file names for CSV files
- Updated webpage HTML to allow for interactive data selection and presentation

Lead Software Developer	Neru Lending	January 2024 - May 2024
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- Created and lead software development team on multiple projects
- Created websites from client specifications with responsive design
- Used React Native and Gradle to create new mobile applications
- Set up test databases using AWS, SQL, and MySQL servers
- Produced client relationships and continually fostered business relationships with clients

EDUCATION

Bachelors, Computer Science	University of Michigan	August 2021 - April 2024
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- GPA: 3.70
- Deans Honor Roll for Fall 2022, Spring 2023, and Fall 2023 semesters

Associate, General Studies	Mott Community College	April 2019 - December 2021
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- GPA: 3.875
- Deans Honor Roll for Winter 2021, Fall 2020, Winter 2020, and Fall 2019 semesters

PROJECTS

Finderpal

Designed a warehouse robot capable of locating specified objects prompted by user text input and implemented a search and retrieval system for objects within the warehouse

- Developed an Android mobile app in Java for user control
- Setup wireless communication using Flask server
- Created REST endpoint to accept and parse JSON file and output the parsed data's key

Personal Website	nathanlzender.com
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Created a website showcasing personal projects

- Leveraged Spring Framework for handling web requests and Java for backend logic.
- Integrated a secure SQL database (BCrypt encrypted) for user authentication
- Designed frontend using HTML/CSS and hosted on AWS infrastructure

Email Sender

Engineered a robust Python script for streamlining mass email distribution across various corporate accounts

- Implemented connection pooling for efficient interaction with SMTP servers, enhancing email transmission efficiency.
- Leveraged the capabilities of the csv library to parse through multiple thousands of lines of accounts

TECHNICAL SKILLS

- Languages: Java, C++, Python, SQL, C#, Basic
- Tools: Node.js, SpringBoot, Spring, GitLab, Flyway
- Build Systems: Maven, Gradle
- Server Environments: Jetty, Apache, Nginx
- Virtual Machines: DOSbox, Centos