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OBJECTIVE: Summer Internship in Software Engineering to get experience with application design and scalability.

EDUCATION: **Worcester Polytechnic Institute (WPI)**, Worcester, MA
Bachelor of Science in Computer Science, May 2021

EXPERIENCE: **Security Development Intern**, Bottomline Technologies, Portsmouth, MA, Jun-Aug 2019
Worked with an agile team on one of Bottomline's Healthcare solutions that protects patient records in hospitals by monitoring for suspicious network activity.
Designed a data model for medications to be used in tracking potential incidents of drug diversion.
Developed Liquibase code and Hibernate entities to integrate the medication model into the solution.
Created Spring Batch jobs to load and stage medication data from CSV.
Added new features to the solution's machine learning service to extract relationships between patients and hospital workers in event processing.
Configured automatic start/stop scheduling and backups for Jenkins build server in Microsoft Azure.

IT Technician Intern, Blujay Solutions, Chelmsford, MA, May-Aug 2018
Provided technical support to employees across the company's 15 global office locations.
Managed end user software with Microsoft's System Center Configuration Manager (SCCM).
Wrote batch scripts to set up new laptops more efficiently.
Developed software to detect and remove duplicate asset entries in the company's asset database.
Performed hardware repairs and upgrades on developer laptops and servers.

PROJECTS: **Application Architecture**, Aaron's Presents, May-Sept 2019
Data Management Platform
Designed, implemented, and deployed a web platform to centralize data for Aaron's Presents, a 501(c)(3) non-profit organization. Analyzed existing data to abstract content type definitions. Utilized the Sequelize ORM to model each content type and establish communication between a Node.js Express server and a PostgreSQL database. Developed a web interface to perform CRUD operations for each model. Used PostgreSQL's full-text search to implement search functionality for entries in each model. Adapted the organization's paper applications to web forms and created management tools to automate the application process. Deployed the final solution to Microsoft Azure.

HACK@WPI, WPI, Jan 2019

FlashGuard - First Place

Led a team of three at WPI's annual hackathon. Designed a web browser controller allowing those with epilepsy to safely watch YouTube videos. Created a frontend with Selenium to extract video links from the current browser window. Developed an algorithm using OpenCV to detect flashes that could potentially induce an epileptic seizure within videos. Implemented a blocking feature that automatically pauses the current video and gives a pop-up warning if it is registered as dangerous. Added caching for previous results to prevent parsing the same video more than once.

SKILLS: **Operating Systems:** Linux based OS's, Mac OS, Windows, Android
Programming Languages: Python, Java, JS, C/C++, PHP, Racket, SQL (PostgreSQL, MySQL, MSSQL, and MongoDB)
Libraries/Frameworks: Spring, Node.js, Express, React Native, Hibernate, Sequelize, Mongoose, Docker, Liquibase, Strapi, OpenCV, Selenium, Scikit-learn, Qt, Pug (Jade), Bootstrap

ACTIVITIES: **Varsity Men's Rowing**, WPI, Sept 2017-present