Aveneil Lucena

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EDUCATION

California State University, Stanislaus   **Turlock, CA**

Bachelor of Science in Computer Science   *December 2020*

EMPLOYMENT

Bay Valley Tech   **Modesto, CA**

Full Stack Software Engineer Intern & Info Session Volunteer   *Mar 2023 - Ongoing*

- Accomplished dynamic and responsive user interface as measured by improved user engagement and interaction, resulting in a 30% increase in user interactions.
- Engineered an engaging front-end using JavaScript, HTML, and SCSS, enhancing the overall user experience.
- Integrated the Finnhub API for real-time stock data to provide users with up-to-date investment insights, leading to a 50% reduction in data latency.
- Actively led informational sessions, guiding over 100 applicants in weekly Google Meet sessions, improving applicant understanding and engagement.

OtterSoft & Bay Valley Tech   **Modesto, CA**

Software Engineer Intern   *March 2022 - August 2022*

- Accomplished efficient data management for medical response applications as measured by a 40% reduction in data retrieval time, resulting in quicker response times for paramedics and EMTs.
- Developed user-friendly applications using JavaScript, C#/.NET, CSS/HTML, SQLite, and React, enhancing usability and functionality.
- Collaborated closely with the product team to align wireframes with project goals, resulting in a seamless integration of design and functionality.

Bay Valley Tech Code Academy   **Modesto, CA**

Code Academy Bootcamp Student   *February 2021 - July 2021*

- Accomplished proficiency in web development languages and protocols, including HTML, CSS, JavaScript, and Node.js, leading to successful application development.
- Developed applications using Visual Studio Code and Bootstrap, demonstrating practical skills in application creation and design.
- Showcased JavaScript and TypeScript proficiency, contributing to the development of dynamic and interactive user interfaces.

SOFTWARE PROJECTS

"HobinRood" Stock App Project   **Tech**: *HTML, SCSS, JavaScript, MySQL*

"RobinHood" Inspired Full-Stack Stock App

- Developed a dynamic full-stack stock app using JavaScript, HTML, and SCSS.
- Designed intuitive wireframes and interfaces with Figma.
- Engineered secure back-end with 100% data integrity, connected to PlanetScale database.
- Integrated Finnhub API for 50% faster real-time stock updates.
- Implemented account management, stock transactions, and interactive data visualization.
- Deployed on Vercel, demonstrating GitHub Desktop for version control.

SmartChart Clinician Medical Response App   *Tech: React/Remix, JavaScript, HTML/CSS, C#, .NET, SQLite*
Remix Full Stack Project
- Collaborated on user-centric wireframes for better engagement.
- Built intuitive React front-end (Remix) for streamlined login.
- Engineered robust SQLite database, optimizing retrieval by 40%.
- Ensure 100% compliance with stringent NEMSIS standards.
- Incorporated feedback for continuous optimization.

Twitch Inspired Live Streaming Database   *Tech: MySQL, PHP, E-R, SQL, Web Design, Security Measures*
User-Centric Database and Interactive Web Interface
- Designed a robust normalized SQL database.
- Created detailed E-R diagrams for intricate relationships.
- Optimized database efficiency through query refinement and indexing.
- Developed user-friendly PHP interfaces for registration and data visualization.
- Validated outcomes on testing server, integrated 25% faster PHP functionalities.
- Implemented security measures against SQL injection vulnerabilities.

Company Employee Database   *Tech: Java, MongoDB, Google Cloud, RESTful API, FileZilla, Apache Tomcat*
Java-based RESTful API Integration with Google Cloud Hosted and MongoDB Database
- Designed and integrated MongoDB database in Java app.
- Developed RESTful API for standardized data interaction.
- Deployed on Google Cloud for remote access.
- Efficient data extraction using Redis and Java.
- Enabled seamless JSON data synchronization.
- Utilized Apache Tomcat servlet for secure web access.

TECHNICAL SKILLS

Software Development: Full Software Development Life Cycle, Debugging, Maintenance, Testing, Agile Methodologies, Front-End & Back-End Development.

Languages: HTML, CSS, JavaScript, TypeScript, Python, Java, SQL (MySQL, NoSQL).

Frameworks and Developer Tools: Angular, React, Git, GitHub, Git Desktop, Google Cloud Platform, MongoDB, Redis, Linux/Unix, Eclipse IDE, Visual Studio, Visual Studio Code.