Shelton Bai

Philadelphia, PA
484-688-3796 | sb.sheltonbai@gmail.com
linkedin.com/in/shelton-bai2002
github.com/Shelton-Bai

Education

University of Pittsburgh, BS in Computer Science   December 2023

Experience

CAO Group, Inc., West Jordan, UT

Software Development Intern   Jun 2021 to Aug 2021

- Wrote and tested embedded C for dental lasers and the bluetooth controllers for them
- Fixed a memory leak which caused the lasers to malfunction after firing for a extended period of time
- Used C++ and Qt to help develop the user interface for the dental lasers

CAO Group, Inc., West Jordan, UT

Software Development Intern   May 2023 to Aug 2023

- Assisted in developing iOS apps to be paired with dental lasers using Objective-C
- Refactored code for storing laser presets and configurations, making it easier for new updates to be rolled out to existing lasers
- Wrote a Python script to automate address validation of dental offices for the sales and marketing departments, reducing manual workload by 30%
- Utilized AWS to build a proof-of-concept cloud based file sharing system, to be used with a new digital dental headset

Projects

Personal Website   http://sheltonbai.com/

- Personal Webpage built using React and MySQL, containerized using Docker and run on an Oracle Cloud instance.

Skills

Languages:	Java, C, Python, C++, HTML, CSS, JavaScript
Libraries/Frameworks:	Node.js, React, Qt, ROS2
Development Tools:	Git, Docker
DBMS and Tools:	SQL, PostgreSQL, MySQL
Cloud Tools:	AWS, Oracle Cloud

Certifications

Oracle Certified Associate, Java SE 8 Programmer   Feb 2023 – Present
AWS Certified Solutions Architect – Associate   Aug 2023 – Aug 2026