

KHOA BUI

(669) 233-1475 ♦ San Jose, CA

[Email](#) ♦ [Linkedin](#) ♦ [Website](#)

EDUCATION

San Jose State University, Bachelor of Computer Science — **GPA: 3.40** 2020 - 2022
Relevant Coursework : Data Structures and Algorithms, Object-Oriented Programming, Computer Architecture, Operating Systems, Programming Paradigms, and Data Management with no SQL.

SKILLS

Programming languages	C, C++, Python, Java, TCL, Shell Scripting, MATLAB.
Databases	SQL (MySQL, TSQL, SQLite3) and NoSQL (MongoDB, Cassandra).
Web Technology	Spring Boot, Spring MVC, Restful Service, JSON.
Tools	Jira, Git, Github, IntelliJ IDEA, Eclipse, CLion, PyCharm.

EXPERIENCE

Software Engineer Hughes Network	July 2023 - Recent <i>Germantown, MD</i>
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- Developed and maintained scripts for EDA tools to automate the verification and validation processes, resulting in a 30% reduction in manual effort.
- Built and deployed an interactive internal web application leveraging React.js for a responsive frontend, Express for efficient routing, and MySQL for robust backend data management, improving team collaboration and operational efficiency.
- Utilized Python and TCL to create automation scripts for design flow processes, enhancing the efficiency of the workflow.
- Worked closely with design engineers and project managers to ensure alignment on project goals and deliverables.

Lab IT Support Specialist Vibrant America	April 2023 - July 2023 <i>San Clara, CA</i>
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- Monitored and troubleshoot laboratory system product features across the back and front end, utilizing Java and Python programming languages.
- Designed application and database components for small-sized development projects, ensuring efficient and effective functionality.
- Maintained and modified existing applications, incorporating approved changes by amending application documentation, developing detailed programming logic, and coding changes.
- Collaborated with the Collaborative Lab Test Development team to define lab automation software requirements, ensuring they aligned with project objectives.

Software Quality Assurance Intern Netgear Inc.	Dec 2021 - May 2022 <i>San Jose, CA</i>
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- Created and executed test cases for various router models, performing manual testing to ensure product quality.
- Conducted detailed post-release testing of the new Netgear app during the software QA cycle, utilizing Glass Box, Firebase, and Antibug to identify and analyze software issues.
- Produced over 100 test cases, meticulously documenting and reporting 40+ bugs for Android applications using Jira.
- Collaborated closely with the developer team to design and develop a Python-based application integrated with QT and REST APIs, resulting in a significant 30%

PROJECTS

Travel Review Website: Built a website that lets people can share their travel experience by using **NodeJS**, **Express**, and **MongoDB**. Successfully implementing **Mongoose API**, **JWT API**, **Bcrypt API** to help ensure the safety of user information. ([Try it here](#))

Personal Portfolio Website: Designed and developed a personal portfolio React Application using **HTML**, **CSS**, and **JavaScript** to showcase my skills and projects, demonstrating my front-end development skills and attention to detail. ([See me here](#))