

Khoa T. Bui

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VB .NET | JavaScript | RDBMS | SAS | Bash Scripting | SQL | Machine Learning | Predictive Modeling | Python | Statistical Modeling | Analysis Skills | Information Security | Database Programming | Troubleshooting

Software Engineer/ Software Developer

Education:

- **San Jose State University, San Jose, CA:** Bachelor of Science in Computer Science | **GPA: 3.40** **Dec 2022**
- **Relevant Coursework:** Programming in Java, C, C++, Data Structures & Algorithms, Python, Linux, Computer Architecture, Object-Oriented Programming, Android development, Data Management with no SQL
- **De Anza College, Cupertino, CA:** Associate of Science in Computer Science **June 2020**

Technical Skills:

- **Programming Language:** Java, HTML/CSS, R, Python, SAS Base, Visual Basic, C, C++, C#, Scala, JMP Scripting Language, MATLAB
- **Databases:** SQL (Oracle 12c, Oracle 19c SQL Server, MySQL, TSQL) and NoSQL (MongoDB, Cassandra)
- **Java Web Technology:** Spring Boot, Spring MVC, Restful Service, JSON
- **Project Management & Test Tool:** Maven, JIRA, Trello, Crucible and JUnit 4, Mockito 2
- **Version Control Tool:** Git, Github | **Programming Tools:** IntelliJ IDEA, Eclipse, CLion, PyCharm
- **Tools and Frameworks:** Django, Flask, Pandas | **Cloud & Databases:** MySQL, MongoDB, AWS (S3, EC2, Lambda)
- **Others:** Data Structures, Distributed and Multi-Tier Systems, Web Development, Software Engineering, Java Core, Algorithms, and Data Structures, Object-Oriented Programming
- **Interpersonal Skills:** Strong Internet Research, Excellent Verbal, Written, and Quantitative Skills, Time Management and Prioritization Abilities, Effective Presentation, Team Player, Leadership and Negotiation Skills.

Work Experience

Software Quality Assurance Intern | Netgear Inc., San Jose, CA **Dec 2021 - May 2022**

- Conducted thorough regression testing on the UI platform and led the writing of effective smoke test scripts by using Python for automation testing after each release.
- Carried out detailed post-release E2E testing during the software QA cycle as well as analyzed software issues with Glass Box, Firebase, and Antibug while reporting over 60 bugs and errors to development teams.
- **Key Accomplishments:**
- Leveraged excellent writing skills to compose test plans and 60+ test cases for the application.
- Eliminated Jira by validating the functionality to be implemented correctly before deployment.
- Responsible for monitoring, documenting, and reporting the status of defects and test cases to team leads.

IT/Virtual Private Server | Interdata.VN, Vietnam **Jan 2021 - Dec 2021**

- Identified risks, opportunities, faults, and areas for development within the company's IT framework.
- Led the administration and maintenance of server networks and server environments, such as server hardware, systems, software, application software, and all configurations.
- **Key Accomplishments:**
- Met and exceeded customer requirements by providing expert advice and guidance on computer configurations.
- Ensured the installation and testing of local area networks (LAN), wide area networks (WAN), routers, switches, controllers, and networking equipment by configuring and defining parameters.

Academic Projects

Developer/Restaurant Management Application | San Jose State University, San Jose, CA **Oct 2022 - Dec 2022**

- Designed UI using Tkinter & programmed a bug-tracking system to automatically detect & resolve issues for software applications.
- Developed a Python application for a restaurant to manage a business, take orders, generate receipts, send receipts via email using smtplib, analyze data with matplotlib, and keep track of data using pandas.

Web Developer/ [Travel Blog](#) | San Jose State University, San Jose, CA **Feb 2022 - May 2022**

- Oversaw the design and implementation of a robust test plan before the product release.
- Generated the user profile, country information, and control data flow by implementing a Mongoose API, JWT API, and Bcrypt API.
- Successfully managed the database of a travel blog website by using Node.js, MongoDB, and Express.

Developer / Database Management system | San Jose State University, San Jose, CA **Aug 2021 - Dec 2021**

- Assured the development of a clone MySQL using C programming language.
- Conducted fully core functions, such as Create, Insert, Delete, Display data with condition.