

# Kenneth Nguyen

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## OBJECTIVE

Motivated Computer Engineering student seeking a full-time opportunity in software engineering to apply technical skills and hands-on experience to contribute to high-quality solutions.

## EDUCATION

### Bachelor of Science, Computer Engineering

San Jose State University

San Jose, CA

Expected December 2024

- **GPA:** 3.66
- **Relevant Coursework:** Advanced Algorithm Design, Algorithms and Data Structure Design, Object-Oriented Concepts and Methodology, Software Engineering I & II, Assembly Language Programming, Embedded Systems Co-Design, Operating System Design
- **Academic Awards:** President's Scholar (Fall 2021), Dean's Scholar (Fall 2022, Spring 2023, Fall 2023)

## WORK EXPERIENCE

### Digital Dynamics Inc.

Software Quality Assurance Engineer Intern

San Jose, CA

July 2024 - Present

- Conducted **regression testing** for a proprietary application across multiple release versions, ensuring product quality through **manual testing** and bug reporting
- Performed **data analysis** using Python to identify anomalies in Wireshark logs for an internal device
- Created **command-line utilities** to execute specific functionalities of an application and capture output for automated testing
- Developed an **automated regression test** to validate output consistency between algorithms in a proprietary application, incorporating cache options and file/directory specifications to increase testing efficiency
- Implemented **bug fixes** and enhancements for a proprietary application, collaborating closely with the development team in an **Agile environment**

## PROJECTS

### Veriface

February 2024 - Present

RFID and Facial Recognition Attendance System

- Developed an advanced attendance system, integrating **facial recognition** and **RFID technology**
- Utilized the **Dlib** toolkit and **OpenCV** to implement **facial recognition** algorithms, focusing on accuracy and performance in real-time user identification
- Implemented a user-friendly web interface built with **Flask, HTML, and CSS** for event coordinators to manage attendance in real time
- Collaborating in a team of 4 to document project specifications, facilitating ease of use and understanding for end-users

### Emtocha

May 2023

Email, Todo, and Chat Web Application

- Collaborated in a team of 4 applying **Agile methodologies**, to develop a **Python Flask web application**, providing task management features and communication between users
- Developed the **frontend** with **HTML, CSS, and Bootstrap** to create a user-friendly interface
- Built the **backend** with **Flask-SQLAlchemy** to create a database and to handle user authentication
- Implemented the **CRUD** functionalities of the todo list feature allowing efficient task management and organization
- Utilized **Git** and maintained code repository on Github to manage codebase changes

## TECHNICAL SKILLS

**Programming Languages:** C/ C++, Python, HTML, CSS, Javascript, x86 Assembly, Verilog

**Tools:** Git, Github, Jira, Linux Command Line, WSL, VSCode, Visual Studio, Flask, Pytest, Intel Quartus Prime, Modelsim