

## Education

**SAN JOSE STATE UNIVERSITY - B.S. IN COMPUTER SCIENCE - GPA: 3.98/4.00**

**AUGUST 2021 – MAY 2025**

- Coursework: Computer Networks, Computer Systems & Architecture, Operating Systems, Database Management, Data Structures and Algorithms, Object-Oriented Design, Information Security, Machine Learning, Statistics

## Experience

**SVEF - MIDDLE SCHOOL COMPUTER SCIENCE COLLEGE MENTOR**

**MAY 2023 – JULY 2023**

- Collaborated with teachers and staff to deliver college-oriented Computer Science lessons to middle school students
- Organized meetings and events with teachers and staff to figure out lesson plans
- Delivered presentations to students while maintaining engagement through effective presentation strategies

## Projects

**PORTFOLIO WEBSITE - WEB DEVELOPMENT PROJECT - JAVASCRIPT, HTML, CSS - [WEBSITE](#) - [GITHUB](#)**

- Utilized vanilla Javascript, CSS, and HTML to create a responsive and aesthetically pleasing frontend for website showcasing my programming projects, self taught knowledge during development

**PHISHING WEBSITE / SPAM EMAIL DETECTORS - MACHINE LEARNING PROJECT - PYTHON, SKLEARN - [GITHUB](#)**

- Led a five person team through the development and training of two machine learning models that identify legitimate and illegitimate websites and emails with final products achieving 95% and 85% accuracy respectively
- Organized 10000 row datasets for data processing and training with a Random Forest Classifier (Both Models)
- Maintained individual productivity through separate Git branches while convening for meetings to discuss progress
- Parsed website features for use in prediction via BeautifulSoup Python library

**MVC FRAMEWORK: MINEFIELD AND SIMSTATION - OBJECT-ORIENTED DESIGN PROJECT - JAVA - [GITHUB](#)**

- Implemented a custom Model View Controller (MVC) framework in order to design new applications
- Recreated a spinoff of Minesweeper using Java's Swing Library for user interface, utilizing object oriented principles
- Designed a thread-safe simulation framework where agents interact with each other in an environment concurrently

**CURTAIN: BLIND DATING - WORK-IN-PROGRESS CROSS PLATFORM MOBILE APP - FLUTTER, DART, FIREBASE, FIGMA**

- Collaborating with a partner to create a cross functional mobile app to be published on Google Play Store and IOS App Store
- Promotes seamless User Experience by Authenticating user through Google OAuth, using Firebase for backend
- Designed User Interface with Figma, programmed UI with custom reliable Flutter Widgets and clean code practices

## Technical Skills

- **Languages/Frameworks:** Java, SQL, C, C++, Python, JavaScript, Node.js, Flutter, Dart, HTML, CSS, GraphQL
- **Software Skills:** Software Development, Debugging, Build Automation Tools (Maven & Gradle), Git, Github, JUnit, SKLearn, Numpy, Pandas, Relational Databases, APIs, REST, Docker, Virtual Machine, JSON, Yaml, Web Services, Cloud, Design, ML, TCP/IP, UDP, Documentation, Data Visualization, Data Analysis, Shell Scripting, Frontend, Backend, Full-stack, UML, Linux, gRPC, Microservices, Optimization, Analytics
- **Misc Skills:** Microsoft Office, Word, Excel, Powerpoint, Google Suite, Agile, Arabic, Leadership, Communication