

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, Object-Oriented Design, Programming Paradigms, Machine Learning

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 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 95% and 85% accuracy respectively
- Organized and prepared up to 10000 row datasets for 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 utilizing object oriented principles
- Designed a simulation framework where agents interact with one another in an environment on separate threads
 - o Capable of concurrent agent interactions due to thread-safe implementation

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

- Collaborating with a partner to create a fully functional app to be published on Google Play Store and IOS App Store
- Authenticates user through Google Auth implemented using Firebase for backend
- Designed UI with Figma, programming UI with custom Flutter Widgets and clean code practices

Technical Skills

- **Languages/Frameworks:** Java, SQL, C/C++, Python, JavaScript, Node.js, Flutter, Dart, HTML/CSS
- **Skills/Tools:** GraphQL, Build Automation Tools (Maven & Gradle), Git/Github, Testing Frameworks (JUnit), SKLearn, Numpy, Pandas
- **Misc Skills:** UML Diagramming, Linux OS, Excel, Leadership, Powerpoint, Agile, Arabic Speaking