

Education

SAN JOSE STATE UNIVERSITY - B.S. IN COMPUTER SCIENCE - GPA: 3.98/4.00 **AUGUST 2021 – DECEMBER 2024**

- 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](#)

STUDENT SIGNUP gRPC - SERVER DEVELOPMENT PROJECT - JAVA, gRPC, MAVEN, XML, PROTOBUFS - [GITHUB](#)

- Implemented client and server allowing students to sign up for classes using Google Remote Procedure Calls (gRPC)
- Compiled thread-safe project using Maven, configured build process using XML

HONORDB - MYSQL COMMAND-LINE SOCIAL NETWORK PROJECT - JAVA, SQL, JDBC - [GITHUB](#)

- Designed relational database schema for a social network where users can send gifts and messages to each other
- Interfaced with MySQL Database using JDBC Connector and executed SQL commands securely using preparedStatements
- Command line allows viewing, adding, removing, and calculating specific connections and relations using SQL

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

- Implemented a custom Model View Controller (MVC) framework which can be customized to different 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 using Runnable

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 HTML to extract features for use in prediction via BeautifulSoup Python library

Technical Skills

- **Languages/Frameworks:** Java, SQL, C, C++, Python, JavaScript, Node.js, Flutter, Dart, HTML, CSS, GraphQL, PHP
- **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