

EDUCATION:

Bachelor of Science in Computer Science

Expected June 2021

San José State University | San Jose, CA

GPA: 3.47

WORK EXPERIENCE:

3D Modeler

Feb 2016 - Feb 2019

Shapescape | San Jose, CA

- Collaborated with international team members to complete commissioned projects within assigned deadlines.
- Attended scheduled discussion meetings and maintained project backlogs using Slack and Trello.
- Modified project requirements to satisfy dynamic client demands.
- Developed creative skills in multimedia production and digital art.
- Became familiarized with content creation and photo / video editing software.

Technical Consultant

June 2015

International Tax Accountant | San Jose, CA

- Provided technical support for the installation of hardware components on office computers.
- Carried out secure data deletion of sensitive client information.
- Performed proper disposal of obsolete electronic devices.

PROJECTS:

- **Twitch.tv Users Network Analysis** - Collected and analyzed Twitch user data to perform a social network analysis. Categorized user community structures and network properties using Python, Gephi, and R.
- **Python Phylogenetic Analysis** - Conducted genetic analysis of nucleotide sequences to generate a phylogenetic tree of 11 Influenza species. Implemented in Python using the UPGMA clustering algorithm.
- **Bookstore Prototype** - Java project for a bookstore commerce system with a user interface and locally integrated database. Applied object oriented programming concepts during project design and implementation.
- **Seach Bot** - Python Discord Bot project that serves as a search interface for several web pages, such as Reddit. Utilizes Discord's API to read in user text inputs as keywords and returns a list if any results are found.
- **Fire Weather Information Interface** - Designed a proof of concept project for viewing wild-land fire related weather information based on location. Developed a prototype mobile application using Adobe XD.

SKILLS:

Programming Knowledge

- | | | | | | | |
|---------|------------|-------|---------------|-----------|-----------------|--------|
| • Java | • Python 3 | • C++ | • Spring Boot | • Verilog | • R Programming | • HTML |
| • Scala | • PHP | • C# | • Bootstrap | • X86 ASM | • AGILE / SCRUM | • CSS |

Tools & Technology

- | | | | | | | |
|-----------------|------------------------|--------------------|----------|-----------|-----------|---------------|
| • Eclipse IDE | • Git | • Git Bash | • Trello | • Slack | • Linux | • VMWare |
| • PyCharm | • Github | • Gephi | • Jira | • Discord | • Windows | • Virtual Box |
| • Visual Studio | • Adobe Creative Cloud | • Microsoft Office | | | | |

RELEVANT COURSEWORK:

- | | |
|--|---|
| • CS 123A: Intro to Bioinformatics | • CS 152: Programming Paradigms |
| • CS 146: Data Structures and Algorithms | • CS 158A: Computer Networks |
| • CS 151: Object-Oriented Design | • CS 166: Information Security |
| • CS 147: Computer Architecture | • CS 174: Server-side Web Programming |
| • CS 149: Operating Systems | • CS 185C: Intro to Social Network Analysis |