

Jerry Lee

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OBJECTIVE To obtain a challenging software engineering summer internship that will utilize my programming skills.

EDUCATION

Prospective B.S. in Computer Engineering, **San Jose State University**, San Jose, CA 08/2017 – 12/2020

- GPA 3.7/4.0
- Dean's Scholar Award
- Relevant courses include Advanced Data Structure and Algorithms, Computer Networking, Software Engineering, and Assembly Language Programming

WORK EXPERIENCE

Intelligent Systems Member, Robotics, **San Jose State University** 09/2019 – Present

- Enabled image recognition in the automation systems of the robotics rover
- Used OpenCV to detect obstacles and recognize checkpoints from live feed and ROS to control and move the robot
- Implemented a Neural Network using TensorFlow to catch and minimize errors

Infrastructure Engineering Intern, **Lockheed Martin**, Sunnyvale, CA 06/2018 – Present

- Enhanced the security on Linux and Windows workstations by using the Security Technical Implementation Guide process.
- Developed Powershell and bash scripts to automate registry modification and file transfer
- Ran stress tests on an AWS hosted VM by using Gremlin chaos engineering.

PROJECTS

Classroom View (Opportunity Hacks) 10/2019

- Built a website using NodeJS to show classroom statistics for a nonprofit organization, Code Nation, saving instructors hours that would otherwise be spent on developing Excel sheets
- Developed scripts using Google REST API to pull data in JSON format to a separate front-end website

Project "BIRB" (Google Hacks) 11/2019

- Enabled students to plan study groups or plan events and workshops
- Connected numerous API's (Google forms, calendar, Discord.JS) using JavaScript and NodeJS

Discord Project "Metapod" (Solo project) 2018-Present

- Spans several servers with customized commands and functions tailored to make administration easier
- Uses Discord.NET API

SKILLS

- Proficient programming skills in Python, C++, C, JavaScript, ReactJS, NodeJS and Verilog.
- Good programming skills in Java, C#, C, and PowerShell.
- Actively participating in International Collegiate Programming Contests.

ACTIVITIES

Development Officer in Software and Computer Engineering Society 09/2019 – Present

- Built a new club website using github as a source code repository
- Teach workshops and organize events for the club, including a beginner Python workshop
- Assisted with the development of the SJSU-Dev2 board (firmware)

ICPC Competitive Programming 09/2019 – Present

- Placed 2nd in internal SJSU competition
- Placed 11th out of 86 teams in Pacific Northwest Regional Completion
- Work in teams of 3 to solve potential real-world problems