Pushaan Sood

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Undergraduate Senior at San Jose State University seeking Internship Opportunity
Areas of Interest: Software Engineering | Machine Learning | Data Analyst | Testing Automation

EDUCATION

San Jose State University — **Expected Graduation:** Dec 2021
B.S. Computer Engineering, GPA: 3.52 — **Dean's Scholar** – 2018
Completed Coursework- Programming Concepts and Methodology, Object-Oriented Concepts and Methodology, Algorithms and Data Structure Design, Assembly Language Programming, Software Engineering I, Digital Design I, Electronics for Computing Systems, Computer Networks I, Machine Learning for Big Data, Compiler Design, Computer Architecture and Design
Intended Coursework before December 2021- Cryptocurrencies and Blockchains, Real-Time Embedded System Co-Design, Operating Systems Design, Software Engineering Process Management

SKILLS AND TECHNOLOGIES

Programming Languages: Python, MySQL, C++/C, Java, JavaScript, HTML, CSS, PHP, Verilog
Cloud Computing Services: Google Cloud Platform, Amazon AWS
Programming Tools: G++/GCC, CMake, VS Code, MySQL Workbench, PyCharm
Analytical: Good Communications, Dynamic, Goal Oriented

EXPERIENCE

Crossover for Work, PA — **May 2020–Aug 2020**
Software Engineering Intern — JavaScript, XML, C++

- Refracted legacy code needed for daily processes using JavaScript and C++
- Worked with a team of developers to maintain and improve the company's insurance product called Aurea Insurance Process Management tool
- Used Jira to keep track of tasks assigned to me and to create tasks
- Verified various system and Integration tests to validate any functional changes required in the base system to meet the customer's requirements

University Housing Services, CA — **July 2019–May 2020**
Resident Advisor

- Developed an inclusive community among 50 residents, maximizing positive resident interactions.
- These communities helped build an academic culture and facilitated academic success.
- Planned events with my CO-RA which helped freshman students know more about campus facilities and assist them to succeed in their areas of interest

PROJECTS

OmniEye — **Present**
Built a software to make animated videos — Python, TensorFlow, Unity

- Used photogrammetry technique to create a 3-dimensional skeleton of objects body
- Created an algorithm to guess the hidden parts of the object's body using Python and TensorFlow
- Trained the model using OpenCV

Programmable I/O Interface — **December 2020**
Built a programmable interface to communicate with the microprocessor — Verilog, Arduino IDE, C++

- Implemented Verilog code to communicate with the microprocessor
- Built the circuit on Arduino board using Intel 8086 and Logic Gates
- Prepared the final report and presented it to the professor

Dividend Tracker — **May 2020**
Built a Desktop application to calculate dividend earned for a period — GUI, OOP design, C++17, API

- Implemented Object Oriented Design principles to develop dividend tracker application
- Developed GUI application framework for C++
- Used Alpha Vantage API to get stock prices in real-time

More Project – Personal Portfolio(NextJS), Self-Driving Car(Sonar Systems), Comparing performance of various Machine learning algorithms on image recognition(Python)