

Jevin Gu

Full Stack Software Engineer



thorncorona@gmail.com

Education

B.S. Computer Science

University of Washington

GPA: 3.8

Sept 2019 - June 2023

CIEUSA APA Youth

Scholarship

Computer Languages

Java

Javascript

Node.JS

Python

Software/Libraries

Express

Firebase

Git

Linux

MongoDB

OpenCV

Panda3D

React/Redux

TensorFlow

Experience

Computer Vision/Machine Learning Intern

Clobotics, Bellevue, WA / June 2019 - August 2019

- Developed fault tolerant 3D shelf reconstruction algorithms with **5x reduction** in image alignment error
- Created **3 visualization tools** to improve speed of development of 3D reconstruction algorithms
- Improved ML pipeline through releasing 2 image dataset QA applications, **reduced dataset ingestion time by 16x**

Software Engineering Intern

Origin Labs, San Francisco, CA / June 2018 - August 2018

- Architected and built scalable real-time database on top of PostgreSQL supporting **10K+ simultaneous active connections**
- Built out 3D printer print history feature used daily by material scientists from companies such as BASF, DSM, and Henkel
- Added model, printer, and print sharing capabilities to web application with secure per-user and per-object permissioning

Software Engineering Intern

Clobotics, Redmond, WA / June 2017 - January 2018

- Wrote company website and **improved website performance 10x**
- Implemented content management system to update company blog
- Developed reactive data visualizations and graphics to clearly communicate ML insights to clients

Projects

Self-Driving RC Car

August 2019 - Current

- Modified off-the-shelf RC car to take input from Raspberry Pi
- Optimized low-latency 1080p video control system for lag-less control
- Trained TensorFlow CNN to control RC car and drive along marked routes
- **Technologies Used:** Python, Raspberry Pi, TensorFlow, OpenCV, Pygame

Automatic Note Transcriber

April 2018 - April 2018

- Won Best High School Hack at DefHacks 2018
- Built cross-platform Python app to automatically detect and transcribe lecture slides and accompanying speech to PDF format
- **Technologies Used:** Python, Tkinter, OpenCV, Google Cloud

Inventory Management System

June 2017 - July 2017

- Built web app to manage inventory and shipments of packages between Amazon, eBay, Shopify, and company warehouse
- Aggregates all products, inventory, and orders through product APIs
- **Saved \$8K/month** employee time managing inventory
- **Technologies Used:** Node.JS, MongoDB, Express, Angular