Derrick Lee

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EDUCATION

Bachelor of Science, Computer Science — *September 2016 - June 2020 (Expected)*
Santa Clara University

Relevant Coursework:

- Intro to Computer Science
- Object Oriented Programming
- Data Structures
- Intro to Embedded Systems

RELEVANT SKILLS

Languages: JavaScript, Rust, Python, C++, HTML5, CSS, ARM Assembly, SQL
Related Technologies: Node.js, Express, Koa, Vue.js, Next.js, React, jQuery

PROJECTS

sushii-bot *https://github.com/drklee3/sushii-bot* — *December 2017 - Present*
A Discord chat bot with a ranking system, activity tracker, moderation tools, and more.
Written in **Rust** with a **PostgreSQL** database, **diesel-rs** ORM, and connection pooling with **r2d2-diesel**. Paired a website made with **Next.js**, **React**, and **Koa**.

nuxt-yt *https://github.com/drklee3/nuxt-yt* — *June 2017 - September 2017*
Web app that automatically updates, aggregates, and tags YouTube videos based on certain criteria utilizing the YouTube Data API. Features include a search and video statistics. Uses **Node.js** and **Express** web framework, **Nuxt.js** for server side UI rendering, **Vue.js** for frontend, and **SQLite** for storing video data.

headphone-recommender — *June 2017 - July 2017*
Web app that analyzes MP3 files and recommends 100+ headphones based on price, form factor, and music sound signature using **Python** and the **Flask** web framework.

gifgif — *December 2016*
Electron application that trims, crops, and converts videos to gifs with **Node.js** and FFmpeg. Provides an HTML5 video preview and frame by frame seeking.

AWARDS

City of Cupertino "Solve the Streets" Challenge Winner — *January 2016*
Analyzed the traffic situation in the Silicon Valley and created a video addressing local traffic problems and proposing realistic and effective ways of improving transportation. Video edited and animated with Adobe After Effects.