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Derrick Lee

EDUCATION

Santa Clara University **September 2016 - June 2020 (Expected)**
B.S. Computer Science (Math)
Relevant Coursework:

- Intro to Computer Science
- Object Oriented Programming
- Data Structures
- Operating Systems (in progress)

RELEVANT SKILLS

Languages: JavaScript, Rust, Python, C/C++, HTML5, CSS, ARM Assembly, SQL, Bash
Related Technologies: Node.js, Koa, Apollo, GraphQL, PostgreSQL, React, Express, Next.js, Vue.js

PROJECTS

sushii-bot **December 2017 - Present**

- Chat bot with a ranking system, activity tracker, moderation tools, and more.
- Written in **Rust** with a **PostgreSQL** database, **diesel-rs**, and connection pooling with **r2d2-diesel**.
- Paired a website with leaderboards and statistics.
- Website made with **Next.js**, **React**, **Koa**, **Apollo** server and client for **GraphQL** endpoints, and **Join Monster** for batch data fetching.

vlive-rs **April 2018 - Present**

- **Rust** library for livestreaming platform VLive's API.
- Implemented on the **Hyper** client with Futures.

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, with a search and video statistics.
- Uses **Node.js**, **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.
- Uses **Python** and the **Flask** web framework.

gifgif **December 2016**

- Application that trims, crops, and converts videos to gifs.
- Uses **Electron**, **Node.js** and FFmpeg.

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.