

Justin Lee

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FULL STACK DEVELOPER

I am a highly skilled full stack and systems developer with **4+ years of experience** in **Rustlang, C++, and C**. I have knowledge of popular frameworks such as **Next.js, Tailwindcss, and Node.js** and experience with REST APIs and MVC frameworks.

TECHNICAL SKILLS

Languages : Rustlang, C++, C, JavaScript, TypeScript, Java, LaTeX
Technologies : Next.js, TailwindCSS, Prisma, Drizzle ORM
Tools : Neovim, Alacritty, Tmux, Debian, Git/Github, Figma

EXPERIENCE

Stanford Science Small Groups Researcher

Jan 2023 – May 2023

- Worked with a Stanford PhD Student on neural networks and AI research
- Established hypotheses and conducted research regarding curiosity driven learning, self supervised learning, and deep neural networks
- Presented research in front of PhDs with expertise across multiple disciplines.

Mobile App Development Internship at OurDate

August 2023 – November 2023

- Programmed auto scheduling features using JavaScript and Google API
- Designed website and app home pages using Figma

Study Buddy Mentor

Aug 2022 – Feb 2023

- Taught and mentored international, and/or under-performing, students from diverse backgrounds
- Taught many subjects, including Computer Science, Biology, English, Math, and History

PROJECTS

Liquid Neural Network Research Project

Rust-lang, Computer Architecture

[Source Code](#)

- Utilized **Rust-lang, Computer Architecture Knowledge, Systems Programming, and knowledge of high-level Mathematics** to design and develop memory and performance optimizations, enabling cheaper and more efficient development of machine learning models.
- Contacted various professors and Ph.D students across multifarious universities for support on the project.

ChoppingBoard - AI Short Content Creator

React.js, JavaScript, TailwindCSS, FFMPEG

[Source Code](#)

- Utilized **React.js, TailwindCSS, JavaScript, and FFMPEG** to design and develop a website enabling users to cut video files based on user-inputted timestamps.
- Employed **JavaScript and FFMPEG** to re-encode video files with **AI generated** subtitles.
- Utilized **React.js and TailwindCSS** to implement a responsive design, ensuring seamless compatibility of the website across various screen sizes.
- Deployed on GitHub pages via GitHub Actions

AfterLife - Java Game Project

Java, Git

[Source Code](#)

- Designed and Developed a **Java Application** made with the Swing library
- Leveraged **Object-Oriented Programming (OOP)** principles to create reusable classes and functions, enabling their application in diverse scenarios.

EDUCATION

Monta Vista High School

Cupertino, California, United States

Junior

Relevant Coursework - AP Computer Science, Java, AP Biology, AP Statistics