Riley Bruins

Full Stack Software Developer

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EDUCATION

University of California, Los Angeles | Fall 2020 - Present
- B.S. Computer Science

PROFESSIONAL SKILLS

Programming & Markup Languages: Javascript, Typescript, C, C++, Python, Markdown, HTML & CSS, Lua, Rust, C#
Libraries & Frameworks: React, Lit, SolidJS, Next.js, Express.js, React Native, Node.js, MongoDB
Tools & Platforms: Git, Mercurial, Webpack, Vite, Heroku, Unity, Linux (Ubuntu & Arch), (Neo)Vim, VS (Code)
Concepts: Data Structures, Algorithms, UI/UX, Software Construction, Operating System Design

PROFESSIONAL EXPERIENCE

- **SWE Intern at Google** | June 2023 - September 2023
  - Worked as a full stack engineer, contributing C++ code (backend) and Lit with Typescript code (frontend), while documenting everything in Markdown.
  - Responsible for adding an OCR transcript to videos processed by Youtube's video review tool.
- **AI Model Trainer at Surge AI** | June 2022 - August 2022
  - Wrote production-quality Javascript, Typescript, and Rust code, then trained an AI model to do the same. Part of a team of over 80 people.

PERSONAL SKILLS

Teamwork, Problem Solving, Communication, Attention To Detail

PERSONAL EXPERIENCE & PROJECTS

- **Open Source Contributor** | Contributed to several open source projects, mostly Neovim plugins. Projects include nvim-autopairs, onedark.nvim, Motion Canvas, and many more.
- **Open Source Maintainer** | Actively maintaining bamboo.nvim (Neovim colorscheme with 100+ Github stars) and EZ Semicolon (VS Code extension that makes semicolons easier to work with).
- **App Developer** | Created and published two mobile apps using Unity and React Native, respectively. (Sadly neither are on Apple's App Store anymore; not worth the cost!)
- **Brewin** | A lisp interpreter written in Python, capable of language features like classes and class templates, exception handling, inheritance and polymorphism, and much more.
- **ACRaffle Web** | Website made for a client to handle payment transactions using Stripe and update a database accordingly. Users are authenticated using OAuth2 with cookies.
- **AirBruinB** | Developed the backend for an Airbnb equivalent for UCLA students, using Express, MongoDB, and Multer GridFS storage engine.
- **Discord Clone** | Basic Discord clone made with Electron, Typescript, and Webpack. Uses Socket.IO for real-time messaging, and WebRTC (via PeerJS) for voice communication.
- **Discord Voicebot** | A bot created with Discord.JS that uses Google's Speech-to-text API to run voice commands from users.
- **Wurd** | Text editor written in C and C++ using the PDCurses library. Uses tries to load dictionary text files for spell checking. The actual text content is managed with linked lists and hash maps.