

Eric Pineda

Software Engineer | Pleasant Hill, CA

SKILLS (925) 549-1055 | ericvpineda@berkeley.edu | [Github](#) | [LinkedIn](#) | [Website](#)

- **Programming Languages** : Javascript/Typescript, React, CSS/HTML, Python, Java, C, Golang
- **Libraries/Frameworks**: NextJS, Redux Toolkit, Django, NodeJS, Express, Flask, Tailwind, Flask, GoogleAPI, Tailwind
- **Databases & ORM/ODM**: MongoDB, MySQL, PostGRES, Mongoose, SQLAlchemy, Prisma
- **Tools**: AWS, Amazon RDS, CircleCI, Elastic Beanstalk, Vercel, Jasmine, JUnit, Version Control, Agile

EDUCATION

B.S. Computer Science, Psychology May 2022

University of California, Berkeley

Coursework: Data Structures and Algorithms, Artificial Intelligence, Databases, User Interfaces, Computer Security, Operating Systems, Test Driven Development

EXPERIENCE

Software Engineer June 2023 - Present

Firewave, Walnut Creek, CA

- Designed and implemented client websites leveraging NextJS and TailwindCSS, deployed on Vercel.
- Integrated third-party APIs into projects to enhance both user experience and meet client objectives.
- Discussed development progress and implemented feedback to ensure meet client and project standards/goals.

Coding Tutor May 2023 - Present

The Coder School, Walnut Creek, CA

- Mentor students ages 7-17 with learning and building projects in popular languages, including JS, Python, and HTML/CSS.

CS61BL: Academic Intern Summer 2021

University of California, Berkeley

- Supplement and tutored over 30+ students for introductory computer science class based on Java and data structures.

PROJECTS

vybes - Music Social Media (*MERN stack, JWT, Redux-Toolkit, WebSockets, TailwindCSS*) | [GitHub](#) In Progress

- Implemented Music-Sharing Social Media system that allows users to share music content, chat in real time, and comment on posts.
- Developed multi-user system that leverages **CRUD functionality/REST API**; Backend/Frontend hosted on Render.com.
- Designed **MongoDB models with 1:M, N:1, M:N relations** between Users, Comments, and Posts; **Model Schema validated** with yup;
- Authenticated/authorized users with **JWT tokens** and **bcrypt** on backend server.
- Integrated real time chat with **WebSockets** and **Socket.io** for user to user communication.
- Used **Agile project management tool**, Pivotal Tracker, to track user stories, features, and bugs using a 1 week sprints/iterations.
- Tested with **Jest** and **React testing library**.

Gitlet - Version Control System (*Java, Python, IntelliJ, Junit*) | [GitHub](#) April 2023

- Constructed **Java** version control system with 13 commands to keep track of file changes and history
- Designed **DAG file structure** to commit most recent files and retrieve parent comments..
- Implemented **Java serialization/deserialization** to save and read files/directories to in .gitlet directory.
- All version control commands conform to project specifications, such as running in least O(n) runtime and O(1) in best case scenario.
- Debugged using CS61B Debug Visualizer and tested using **Junit unit tests, integration tests, and E2E tests**.

Doro - Productivity + Music Playback (*React Typescript, ChromeAPI, SpotifyAPI, Jest, CircleCI*) | [GitHub](#) March 2023

- Designed Music-Productivity Chrome Extension, allowing concurrent user management timers and music playback.
- Coded pomodoro timer backend utilizing **Chrome API Storage and runtime messaging** and frontend from vanilla CSS.
- Implemented with **Spotify API**, enabling all major features of music playback and volume control.
- Executed **Chrome API script injection** to perform Spotify actions that non-premium Spotify user would not be able to perform.
- **Compiled using Webpack** to conform to Chrome file standards and reduced file size from 15MB to <1MB.
- Tested using **Jest and React Testing Library** to achieve 98% testing coverage; **Continuous integration/development** using CircleCI