

Jeffrey Yu

Software Engineer

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EDUCATION

UNIVERSITY OF CALIFORNIA - LOS ANGELES

B.S. COMPUTER SCIENCE
Jun 2023 | Los Angeles, CA
GPA: 3.87 / 4.0

SKILLS

LANGUAGES

JavaScript • Python • C++ • Java
TypeScript • Golang • HTML • CSS

FRONTEND:

Vue.js (Nuxt.js, Vuex, Vue-router)
React.js (Next.js, Redux, Hooks)
React Native (Expo) • Tailwind CSS

BACKEND:

Node.js (Express.js) • Django
MongoDB • MySQL • Firebase

LINKS

LinkedIn:// [jeffrey-zepeng-yu](#)
Github:// [JeffreytheCoder](#)
Medium:// [jeffrey-zepeng-yu](#)

COURSEWORK

Algorithms & Data Structures
Computer Organizations
Operating Systems Principles
Computer Networks
Programming Languages
Computer Systems Architecture
Software Construction
Linear Algebra & Applications
Calculus of Several Variables
Probability Theories

AWARDS

Top 50, Candanian Computing
Competition (2019)
Top 20%, High School Mathematical
Contest in Modeling (2018)
Top 5%, Center of Talented Youth at
Johns Hopkins University (2017)

EXPERIENCE

DONE. | SOFTWARE ENGINEER INTERN

Feb 2021 - Jun 2021 | Remote, San Francisco, CA

- Reconstructed the user feedback workflow with React and Survey.js to replace Typeform integration, allowing user-targeted feedback collections
- Automated CI/CD pipeline by scheduling Venom e2e tests and configured notifications with Python Sendgrid, synchronizing remote team members
- Increased the efficiency of operation team handling users' issues by migrating MySQL data to Retool and building admin-friendly UI interfaces

TECHFIN.AI | FRONTEND DEVELOPER INTERN

Jul 2020 - Oct 2020 | Shenzhen, China

- Built an alpha evaluation site using Vue.js from scratch, allowing 30+ engineers to edit and run Python scripts on Codemirror and synchronizing code to server
- Improved security of the trading platform by implementing identification of user type using Axios interceptor and Vue-router dynamic routing
- Communicated with UI designers and released a new company website using Nuxt.js with SSR measures, increasing organic traffic by 37% in 3 months
- Visualized real-time assets performance with ECharts and optimized rendering speed using Vuex state management and switching to CDN dependencies

GUANGDONG INSTITUTE OF ECO-ENVIRONMENTAL SCIENCE AND TECHNOLOGY | RESEARCH ASSISTANT

Jul 2019 - Sep 2019 | Guangzhou, China

- Improved calculated precision of Critical Coagulation Concentration by 31% by rewriting Matlab program to compute input data with 8+ decimals
- Contributed data to Prof. Weilin Huang's Paper by collecting 500+ sets of zeta potential and aggregation rate of soot nanoparticles in sweat
- Evaluated the aggregation behavior in sweat of different pH by assessing the simulation outcome of the DLVO colloidal stability model

PROJECTS

ONCAMPUS | FULL-STACK DEVELOPER

Oct 2020 - Feb 2021 | [oncampus.us](#)

- Developed and maintained a UCLA club recruitment website with React and Django, having 200+ monthly active users browsing 600+ clubs
- Revamped MySQL schema by designing new database logic, cleaning existing data, and integrating autocomplete to standardize frontend input
- Accelerated the loading speed of search results by 23% by implementing search pagination to minimize API calls and integrating Cloudflare caching

VMAWALK | COFOUNDER, FULL-STACK DEVELOPER

Mar 2020 - Jul 2020 | [vmawalk.com](#)

- Launched a course and teacher review website for Vanke Meisha Academy, registered by 200+ students to feedback on 1k+ courses and teachers
- Delivered faster keyword matching with clumsy course database by implementing fuzzy search and autocomplete
- Lead product design to development process for three devs, supervising scrum project management with Jira and code reviews on GitHub