Tai Danh

IT Consultant | AI Trainer | Full-Stack Developer | Multi-Language Programming and System Design
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WORK EXPERIENCE

Jones IT, San Francisco | IT Consultant **| |** 02/2024 - Current
- **Develop** IT strategies around enterprise infrastructure, internal processes, and project cycle
- **Facilitate** cloud adoption, **creating** guides and checklists for organized migrations
- **Documenting** EVERYTHING for proof and reducing unnecessary work
- **Recommend** to organizations tailored solutions based on their wants, needs, and limitations
- **Assist** large-scale organizations in managing their workforce's online presence

Scale AI, Remote | AI Trainer **| |** 12/2023 - Current
- **Implemented** AI training programs in various languages/frameworks boosting performance and accuracy
- **Conducted** quality testing, resolving AI model output discrepancies
- **Collaborated** with diverse teams to align AI training with project goals
- **Expertly** diagnosed and resolved complex issues in AI output
- **Specialized** in training AI for code debugging, understanding, and generation

University of California Santa Cruz, Santa Cruz **|** Software Engineering Developer **|** 7/2021-9/2023
Linux, Apache, MySQL, PHP Laravel, Vue.js
- **Led** development of custom apps using Laravel and Vue.js and retired old Drupal apps
- **Maintained** live UCSC websites
- **Communicated** directly with clients to determine clear goals and needs
- **Learned** new technologies as responsibilities shift
- **Collaborated** with the team on sprint goals and planning
- **Solved** new problems in a constantly changing environment

PROGRAMMING PROJECTS

Recharge | Private **|** Software Engineering Developer **|** *Linux, Apache, MySQL, PHP Laravel, Vue.js*
- **Developed** full-stack solutions for improved UI/UX, backend, and DevX, with secure financial data delivery
- **Collaborated** with cross-functional teams, ensuring alignment with business goals and timely delivery
- **Maintained** strict adherence to confidentiality agreements while innovating on proprietary company tech.
- **Engaged** in weekly sprints, contributing to planning and review meetings and daily standups
- **Participated** in debugging sessions, identifying and resolving performance bottlenecks with senior devs

Rex | taidanh/rex **|** Lead Software Engineer **|** *Rust, LALRPOP, ADTs*
- **Collaborated** in a team environment to create the compiler for this regex language with SQL-like syntax
- **Implemented** language with LALRPOP parser generator, part of Rust's ecosystem
- **Designed** and implemented regex backend with partner
- **Engineered** the back end using the front end's AST for state machine processing
- **Optimized** the state machine to evaluate matches by intersecting character sets, enhancing efficiency

SKILLS

- **Most Familiar Languages**: JavaScript | PHP | Rust | C | Python | SQL
- **Familiar Languages**: TypeScript | GraphQL | Bash | Haskell | HTML/CSS
- **Frameworks**: Vue.js | Laravel | Bevy | LALRPOP | Axum
- **Personal**: Problem solver | Self-starter | Team player | Communicator | Designer
- **Technical**: SCRUM | Documentation | AWS | Git | REST | Docker | Jira | Linux | Apache | Terminal | Compilers | LLVM | GDB | Valgrind | Concurrency | Large codebases | Operating systems | Databases | Parser generators

EDUCATION

Computer Science, June 2023 | University of California Santa Cruz, Santa Cruz
- **Relevant Classes**: Computer System Design | Compiler Design | Graduate level Compiler Design