Kevin Quoc Tan Lam | Software Engineer

kevin.quoct.lam@gmail.com | 808-222-5402 | linkedin | github | portfolio

Software engineer skilled in full-stack web development with a foundation in mechanical engineering. Energized when using creativity and technical judgement to solve problems.

TECHNICAL SKILLS

React, JavaScript, Typescript, HTML, CSS, Postgres, Express, Redux, Nodejs, Git, GitHub, Contentful CMS, Figma, Miro, p5js, RESTful api, GatsbyJS, Firebase, Finite Element Analysis, Catia, Photoshop, Arduino, Nextjs, Prisma, Insomnia

TECHNICAL PROJECTS

Lorem Ipsum Generator | Project Link
- Lorem Ipsum filler text generator in the style of Hawaii Creole English (Pidgin).
- Configured a Context Free Grammar library to enable Natural Language Generation.

Gardening Suggestion Application | Project Link
- A garden planning application with plant recommendations based on season and location.
- Lead daily stand-ups and managed code integration on a team of four.
- Developed plant suggestion algorithm and implemented interactive visual garden plot.

Creative Portfolio | Project Link
- Showcase of projects including audio production, composite structure build, and PCB assembly.
- Built with GatsbyJS and Contentful headless CMS for blog content.

EXPERIENCE

BOEING COMMERCIAL AIRPLANES, Everett, WA 2013-2021

Structural Analysis Engineer, Program Manager *(2016-2021)*
- Program manager of interdisciplinary 5+ person team for Landing Gear Drop Test program supporting airplane certification.
- Responsible for writing test plan, resolving technical concerns, on-site test support, communicating with external clients, and deliverables required for certification.
- Independently managed rapid iterative development of a mechanism from early concept to production.
- Responsible for structural analysis, design integration, engineering drawing review, and thousand-page analysis documentation.

Structural Analysis Engineer *(2013-2016)*
- Analyzed structural integrity of components and developed repair schemes for customers.
- Increased efficiency by updating calculations to contemporary design and analysis practices.

EDUCATION

Fullstack Academy | *Software Engineering Certificate – 550 hours* | 08/22 - 12/22

University of Hawaii, Manoa | *B.S. Mechanical Engineering* **|** Grad 2013