

KYLE NAKAMURA

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CAREER PROFILE

Full Stack Developer with 5+ years' experience bridging the gap between technical project leadership, innovation, and cross-functional collaboration to deliver seamless, intuitive apps and websites. Design and launch ground-breaking solutions that align with, and support both organizational and user goals. Influential relationship builder and collaborative team player who champions a culture of technical excellence and continuous improvement.

KEY SKILLS

Professional:	Full-stack Software Development, Technical Project Management (Requirements Gathering, Tracking, Prioritization), Staff Leadership, Technology Solution Implementation, Agile & Scrum, Detail & Deadline-oriented, Technical Problem Diagnosis & Resolution
Software Dev.:	Angular, React, SvelteKit, TypeScript, PHP, HTML, SCSS, Rapid Prototyping, Code Quality Maintenance, Technical Documentation
ML, AI & Technical:	Python, ML Frameworks (TensorFlow, PyTorch, Scikit-learn, Scipy, NumPy, Pandas, Matplotlib), Database Management & Optimization (MySQL), Version Control & Collaborative Coding (Git, GitHub),
Communication:	Stakeholder Engagement, Client Relationship Management, Present Complex Information to Technical & Non-technical Audiences, Cross-functional Collaboration, Teamworking

CAREER HISTORY

Full-Stack Web Developer

2022 – Present

Freelance

- Manage a diverse range of front-and back-end web development projects to translate start-up clients' vision and goals into compelling design solutions that align with their existing brand
- Consult clients directly to capture their required screens, components, and functionalities, and educate them on approaches, methods, and the feasibility of deliverables within budgets
- Lead solution implementation (partnering with in-house technical teams as necessary), and communicate progress to clients throughout to build trust
- Deliver responsive web designs by utilizing the most cutting-edge and performant tools (latest versions of modern frameworks including Angular and SvelteKit), and employing creative CSS tricks
- Integrate APIs to realize dynamic web applications, while ensuring information updates in real time even in instances where new data is continually fetched from an API

Design2Text Project: Leveraged ChatGPT, SvelteKit, and OpenAI API to design and implement a novel web app that converted Figma designs into project requirement documents – resolving a long-standing pain point

Whip Project: Translated a client's requirements into an intuitive frontend for a load management web app built using SvelteKit, Supabase, and Figma

Geek Office Project: Elevated the digital presence of large corporation HyCite by partnering with a web designer on the construction and implementation of a corporate website (hycite.com) using Angular, Dato CMS, and Netlify

Full-Stack Web Developer

2017 – 2022

Azusa Pacific University

- Took the University's web portal from beta to launch by employing PHP, CSS, and JavaScript to modify existing functionality, implement new designs and functionality, and deploy features to enrich the user experience
- Led all aspects of front-end development to include icon design throughout the website (password protected content), and styling that enhanced functionality
- Partnered with a fellow software developer in all backend functions, including high-quality system architecture development (database and API integrations)
- Developed a web-based database management interface that enabled admins and stakeholders to make easy content edits and additions
- Launched a suite of helper functions in PHP to easily execute sanitized SQL queries from anywhere within the web app

- Implemented Google Analytics to provide management and key stakeholders with data-driven insights into the way in which students and staff used the website
- Built the University' official iOS app to support the portal roll out, before maintaining it via regular code base updates and minor bug fixes
- Identified an inefficient API implementation costing approximately \$200 per month, before implementing best practices to reduce the API usage and realize savings of \$180 per month
- Broke new ground with the design and implementation of an AI-based FAQ chatbot that enhanced both user interaction and information retrieval for students
- Launched a new computer vision system that enabled real-time occupancy monitoring to improve strategic decision-making at senior level
- Developed a live streaming system for chapel services, underpinned with integrated AI-based attendance tracking capabilities
- Progressed the knowledge and capabilities of junior software developers through mentorship
- Established and embedded best-practices and good programming habits at the core of team operations to elevate coding standards
- Overhauled the existing codebase to elevate coding standards and collaborated on the development of a detailed wiki to establish robust internal standards (git commit patterns, branching schemas, coding styles)

EDUCATION

Master's in Computer Science (Specialization in Machine Learning)

Expected May 2024

Georgia Institute of Technology

- **Key Coursework:** Machine Learning, Algorithms, Computer Vision, Computational Photography, Information Security, AI Ethics

Bachelor of Science in Computer Science (Minor in Mathematics)

05/2018

Azusa Pacific University

- **Key Project:** Key member of a collaborative team that developed an innovative real-time parking lot occupancy evaluation system using computer vision. Created a synthetic dataset within a 3D modeled environment, before training a neural network with TensorFlow to classify occupancy rates, and applying the model to a range of real-world scenarios