Kyle Huang

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EDUCATION

University of Washington Bothell   Bothell, WA
Bachelor of Science in Computer Science and Software Engineering: *Sept. 2020 – June 2024*
Information Assurance and Cybersecurity

- Dean's List, GPA: 3.62, New Graduate
- Relevant Courses: Data Structures and Algorithms, Computer Programming, Web Programming, Analysis and Design, Computer Organization and Hardware, Network Design and Programming, Cloud Computing, Database Systems, Operating Systems, Artificial Intelligence, Video Game Development

TECHNICAL EXPERIENCE

Fullstack Software Engineer Intern   Jan. 2024 – Jun. 2024
Lijie Cleaning LLC   *Bellevue, WA*

- Collaborated with a partner to create a website that offers cleaning services.
- Designed UI and diagram models using Lucidchart, Miro, and Figma and MVC for process, overview, and layout.
- Integrated MVC architectural pattern for organization, structure and modularity of code.
- Secured API functions and data using JWT, Bcrypt, and cookie-parser for authentication and authorization.
- Managed using a tech stack of React.js with Vite.js, CSS, Express.js, Node.js, PostgreSQL, Linux Server, Lucidchart, Thunder Client, and Figma for robust and efficient development.
- Developed API endpoints and created documentation and schema for the backend.
- Deployed and maintained server in the cloud on a Linux server to serve the React app and as an API.
- Facilitated meetings with an advisor, planned schedules and tasks using Trello, and employed Agile Scrum SDLC for efficient project execution and management.
- Tested and debugged API and website using Thunder Client and Developer Mode with cookies and local storage.

PROJECTS

AI Customer Support | *OpenAI, LangChain, Next.js, Material UI, Vercel*   Aug. 2024 – Aug. 2024

- Collaborated with a team of 2 to develop an AI Customer Support Bot website application.
- Developed a RAG (Retrieval-Augmented Generation) chatbot that maintains chat history and a JSON file for contextual data.
- Hosted the application on Vercel with a CI/CD pipeline to the GitHub repository.

Portfolio | *Next.js, TypeScript, Acternity UI, Tailwind CSS, Framer Motion*   Aug. 2024 – Aug. 2024

- Implemented a personal website to showcase my skills, experience, qualifications, education, and projects.
- Designed using Tailwind CSS for cleaner code and Acerternity UI and Framer Motion for better aesthetics.
- Posted the work on Headstarter to receive feedback from other Headstarter SWE Fellows.

Cloud UI | *HTML/CSS, JavaScript, EJS, Azure (App Service, Cosmos DB, Blob Storage)*   Mar. 2023 – Mar. 2023

- Built a web application using Node.js, Express.js, EJS, and MVC for dynamic content rendering.
- Integrated public APIs to fetch and manage data across Azure Blob Storage and Azure Cosmos DB.
- Deployed using Azure App Service, ensuring scalability and reliability of the application.

TECHNICAL SKILLS

Languages: JavaScript (JS), Python, TypeScript, Java, C/C++, C#, SQL (PostgreSQL, SQLite, MySQL), Assembly (ARM Cortex-M3)
Web Dev: React.js, Node.js, Vite.js, Express.js, Tailwind CSS, Framer Motion, Material UI (MUI), Acerternity UI, Embedded JavaScript templates (EJS), HTML/CSS
Technologies: OpenAI, Langchain, AWS (EC2, S3, Secrets Manager, Route 53), Azure (Cosmos DB, App Services, Blob Storage), Firebase, Vercel, Git, GitHub, Linux, Postman API, Thunder Client, Trello, Lucidchart, Miro, Figma, Unity, VS Code, Markdown, Keil UVision5, VisUAL, Logism