Austin Tsow

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EDUCATION

Gonzaga University   Spokane, WA
Bachelor of Science in Computer Science │ Software Security Concentration   *Aug. 2022 - Dec 2025*
- **Relevant Coursework:** Algorithms & Abstract Data Structures, Database Management Systems, Design & Analysis-Comp Algorithms, Discrete Structures, Numerical Methods, Operating Systems, Software Development, Software Engineering, Speech & Natural Language Processing, Organization of Programming Languages
- **Activities:** People For & With Others LLC, Association for Computer Machinery, Investment Club, Asian American Union

Bellevue College   Bellevue, WA
Associate in Arts and Sciences │ GPA: 3.97   *Sep. 2020 - June 2022*
- **Activities:** Taiwanese Student Association, Computer Science Club, Badminton & Pickleball Club

EXPERIENCE

Applyied (applyied.com)   Seattle, WA
Software Engineer, Full Stack   Sept. 2024 - Present
Co-founded an AI platform that optimizes job applications by tailoring resumes to job descriptions using machine learning. Built features like job aggregation, resume enhancement, and application tracking to streamline the process.

IPCRX   Spokane, WA
Software Engineer, Full Stack Lead   Aug. 2024 - Present
Led end-to-end design and development of a pharmacy app using .NET MAUI, bringing IPCRX's web system to iOS and Android. Integrated core APIs for authentication, ordering, and other functions while leading agile sprints as Scrum Master.

Costco   Issaquah, WA
Food Merch AM Stocking   *June 2023 - Aug. 2024*
Optimized inventory tracking and product rotation to ensure freshness and reduce waste. Improved restocking efficiency by following data-driven strategies. Provided personalized customer service, enhancing the shopping experience.

Shanghai Garden   Seattle, WA
Waiter   *June 2020 - Aug. 2024*
Boosted overall efficiency by 35% developing new systems and procedures to improve restaurant operations. Worked collaboratively with staff to ensure excellent service to guests in a fast-paced environment.

SKILLS

- Java, Python, C++, PostgreSQL, JavaScript, HTML, CSS, React, .NET MAUI
- Linux, GitHub, Full-Stack Development, Backend Development, TensorFlow, Agile Methodologies, Scrum
- English (Native), Chinese (Proficient), Korean (Learning)

PROJECTS

- **Password Manager:** Engineered a secure password management system using Flask and PostgreSQL, leveraging SQLAlchemy for optimized database interactions. Implemented secure password hashing and credential recovery, ensuring encrypted storage and streamlined user access. Enhanced user experience with a minimalist UI, enabling easy credential storage, updates, and archival.
- **AI Recipe App:** Developed a mobile recipe-generation app that suggests meals based on user-input ingredients, integrating OpenAI's GPT-3.5 API for intelligent recipe creation. Designed an intuitive UX for seamless ingredient input and dynamic recipe display, reducing user effort in meal planning. Optimized backend requests to minimize latency and improve API efficiency.
- **Personal Website:** Developed a React-based web portfolio with a structured component-based architecture to provide a centralized platform for others to learn more about me. Designed and organized key sections to highlight my background and interests while ensuring a clean and intuitive user experience. Continuously iterating on the site to refine content and improve usability.
- **Footstep Prediction Visualizer:** Developed a machine learning program based on historical movement data to predict future footsteps. Utilized TensorFlow and Python for real-time data ingestion and predictive modeling. Designed a visualization tool to display step patterns dynamically, allowing for insights into movement trends and potential optimizations.
- **Gonzaga Voice Assistant:** Designed and deployed an AI-driven voice assistant for gonzaga.edu as a hackathon project, leveraging web scraping to index the entire website. Integrated natural language processing to enable students to query academic resources, campus services, and FAQs in real-time. Designed an interactive response system to improve accessibility and streamline information retrieval for users.