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 Algorithm, 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, AAU

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.

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.

Tsow LLC Bellevue, WA
Data Analyst *July 2020 - Aug. 2022*

Developed automated data pipelines for real estate listings, ensuring accurate reporting on sales data using Python and Excel. Provided daily updates on real estate activity locally, including new listings, pending sales, and sold properties.

SKILLS

- Java, Python, C++, PostgreSQL, JavaScript, HTML, CSS, React
- Linux, GitHub, Full-Stack Development, Backend Development, TensorFlow, Agile Methodologies
- 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.
- **Multi-Platform eCommerce App:** Led the development of a cross-platform pharmacy management app for IPCRX using .NET MAUI, bringing their web system to iOS and Android. Built a OneSignal-powered notification API for real-time updates and integrated multiple APIs, including real-time ordering. Served as Scrum Master, leading sprints and optimizing workflow.
- **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 predictive analytics tool using TensorFlow, focusing on real-time data ingestion and algorithmic modeling to visualize footstep patterns.
- **Gonzaga Voice Assistant:** Designed and deployed an AI-driven voice assistant for gonzaga.edu, integrating natural language processing (NLP) and web scraping to provide dynamic, interactive responses to user inquiries.