

# 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

### Applied (applied.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 processes to ensure timely product rotation using data-driven instructions. Built strong relationships with customers by providing personalized recommendations and service.

### 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 (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, integrating SQLAlchemy for efficient database interactions. Implemented robust password hashing and recovery mechanisms, allowing users to securely store, update, and archive credentials with ease.
- **AI Recipe App:** Created a mobile app that generates recipes based on user-input ingredients. Integrated OpenAI's GPT-3.5 API for recipe generation and designed an intuitive interface for seamless ingredient entry and recipe display.
- **Pharmacy Management Mobile App:** Spearheaded the development of a cross-platform mobile application for IPCRX using .NET MAUI, transforming their web-based system into a seamless iOS and Android experience. Integrated core functionalities like prescription ordering and real-time notifications via API, while leading sprint planning and task management as Scrum Master.
- **Shoal:** Founder and lead for the development of an AI-enhanced community-centric rideshare platform. Developed scalable backend architecture, implementing matchmaking algorithms using Python and SQL to optimize performance and user experience.
- **Personal Website:** Built a responsive and high-performance web portfolio using React, JavaScript, HTML, and CSS. Integrated external APIs for extended functionality and optimized for accessibility, speed, and seamless user interaction.
- **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.