

Yanjia (Jah) Chen

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EDUCATION

University of Washington, Information School

Seattle, WA

Bachelor of Science in Informatics, Concentration: Data Science

June 2026

Cumulative GPA: 3.91/4.0, Major GPA: 3.93/4.0

Dean's List: 7 Quarters

Relevant Coursework: Advanced Methods in Data Science • Databases & Data Modeling • Artificial Intelligence • Matrix Algebra • Probability • Data Structures & Algorithms • Client-side Development

PROJECTS

Secondary Mushrooms | Python, pandas, NumPy, scikit-learn, Google Colab, Tableau Jan. 2025 – March 2025

- Trained a **random forest classifier** for identifying poisonous mushrooms in mushroom foraging applications.
- Performed feature engineering, cross-validation, and model evaluation resulting in **99% prediction accuracy**.
- Visualized data trends and model insights on **Tableau dashboard** for interpretability and public use.

Tic-Tac-Toe-Bot | Python, HTML/CSS, JavaScript Jan. 2025 – March 2025

- Built a **browser-based AI platform** enabling matches between 7 competitive bots with unique personalities.
- Developed a **Python-powered local server** with an intuitive HTML interface for seamless user experience.
- Boosted engagement through **dynamic bot behavior**, expressive dialogue, and agent interactions.

VaxScheduler | Python, SQL, Azure Database, Anaconda Sept. 2024 – Dec. 2024

- Designed a **structured data pipeline** for **real-time** patient-caregiver vaccination scheduling.
- Built 5+ interactive features in **Anaconda Terminal** with the incorporation of **role-based authentication**.
- Contributed to efficient **healthcare coordination** from data banking and tracking through **Azure Database**.

NomNom | HTML/CSS, JavaScript, React, Firebase Realtime Database, GitHub Jan. 2024 – March 2024

- Co-developed a **social media web app** to facilitate restaurant promotions and connections with local users.
- Engineered 10+ page routes and 6+ interactive features using **React.js**, enhancing responsiveness and rendering.
- Empowered 14+ small businesses with a **digital presence**, driving visibility through community-driven content.

EXPERIENCE

Panera Bread

Bellevue, WA

Retail Cashier

July 2021 – Sept. 2022

- Assisted 30+ customers per shift, resolving inquiries with **data-driven recommendations**.
- Managed & restocked 20+ key ingredients, identifying and correcting **stock discrepancies**.
- Streamlined shift coordination, reducing scheduling conflicts by 20% through **cross-training**.

ACTIVITIES

Husky Culinary Club, Information Officer

Sept. 2024 - Present

- Managed club communications via Mailchimp & Discord, engaging **200+ members** with events and RSVPs.
- Designed and automated **promotional emails**, increasing event attendance by 50%.
- Moderated HCC's Discord server, ensuring organized discussions and **community engagement**.

TECHNICAL SKILLS

Programming Languages: Python, R, SQL, HTML/CSS, JavaScript, Java

Libraries: Tidyverse, Boot, pandas, seaborn, NumPy, Matplotlib, altair, scikit-learn

Frameworks: R Markdown, Shiny, Quarto, React

Platforms: GitHub, Azure Database, AsterixDB, Firebase Realtime Database, Figma

Tools: VS Code, Rstudio, Jupyter, Google Colab, Anaconda, SQL Server Management Studio, Tableau, Power BI