

Jean Choe

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Education

The University of Washington (June 2026)

Bachelor of Science in Computer Science

Highline College (June 2022)

Associates of Arts and Sciences

Awards: Deans List for 9 Quarters

Technical Skills:

Languages: Java (OOP), C#, C++, Javascript, HTML, CSS, Python, Bash, Typescript, SQL, Assembly, R, JSON

Libraries and Tools: Git, React, Linux, Node.js, VIM, PuTTY, Powershell, Microsoft Excel, Microsoft Power Automate

Work Experience

- **Department Developer** **University of Washington Department of Urology**
June 2024 – Present
Developed a custom **JSON** script using **Microsoft Power Automate** to automate repetitive tasks, significantly reducing manual effort and improving overhead time.
- **Research Assistant** **University of Washington Department of Urology**
April 2024 – January 2025
Automated the migration of **20,000+ patients' data** from physical records to Redcap cloud storage, **reducing data entry time by 40%**. Developed a custom front-end interface using **HTML, CSS, and JavaScript**, improving data accessibility for medical staff.
- **Software Engineer Intern** **4Human Corporation | 501(c)(3) Non-Profit Startup**
January 2024 - March 2024
Delivered **scalable technical solutions** for **nonprofit organizations** as part of a student-led initiative, including **full-stack development, web application maintenance, and system optimization**, enhancing operational efficiency by **50%** and supporting mission-critical objectives.

Projects

- **DietAI** [Github](#)
Engineered an **AI-driven meal planning system** using **FastAPI, Gemini AI, and React**, dynamically generating personalized meal plans based on user dietary preferences and fitness objectives.
- **Napoleon Tic Tac Toe Agent** [Github](#)
Designed and implemented an **AI-powered strategic game engine**, leveraging **heuristic search, reinforcement learning, and adversarial AI** to develop an optimized Tic-Tac-Toe variant. The project **tied for second place in the University of Washington Intro to AI competition**.
- **Online Portfolio**
Using **HTML, CSS, and JS**, I developed a personal website with multiple pages and a link to my resume and GitHub - <https://jeanchoe.github.io>