

# Yeonjae (Jay) Kim

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## EDUCATION

### University of Utah

*Bachelor of Science in Computer Science, Certificate in Data Science*

**Salt Lake City, UT**

*Feb 2019 – Dec 2024*

**Relevant Coursework:** Algorithms & Data Structures, Software Practice I & II, Web Development I & II, Mobile App Programming, Database Systems, Data Wrangling, Foundations of Data Analysis, Design Human-Centered Experiences

## SKILLS

**Programming & Frameworks:** Java, Python, C++, C#, JavaScript, TypeScript, Django, React.js, Node.js

**Database & Cloud:** MySQL, SQLite, MariaDB, AWS, Docker, Google Cloud Platform

**Tools & Development Environments:** Git, Visual Studio, VS Code, IntelliJ IDEA, Eclipse

## PROJECTS

### Pantry Helper | *JavaScript, React.js, Node.js, CSS, MySQL, AWS*

**Jan 2024 – Dec 2024**

- Developed real-time inventory monitoring, donation analytics, and automated notification systems, resulting in a 25% increase in donations and an 18% decrease in food waste.
- Reduced inventory management time by 43% by merging 11 separate platforms into a unified web-based inventory application for the Feed U Pantry.
- Customized user interfaces to improve usability, including AI-driven recipe suggestions based on available pantry items and a dynamic stock layout mapping feature for staff.

### Learning Management Portal | *HTML/CSS, JavaScript, Python, Django, MySQL*

**Aug 2023 – May 2024**

- Developed a course management website for teaching staff, enabling professors to upload materials and students to submit assignments. Enhanced data security with user authentication and role-based access controls.
- Improved grading efficiency by 20% by automating assignment distribution, ensuring balanced workload for TAs.

### HR Analytics Dashboard (1st Place Award) | *Python, DOMO*

**Nov 2023**

- Utilized Python and DOMO to analyze data from 33,000+ employees and created HR dashboards highlighting turnover causes and headcount trends, winning a \$1,000 prize from Layton Construction.

### PotPal (1st Place Award) | *React, TypeScript, Python, SQLite*

**May 2023 – Aug 2023**

- Developed a cooking tool-sharing app to promote healthier eating and community engagement. Awarded \$1,000 for Best Mobile App out of 13 submissions from the non-profit organization Dandilyonn.

## EXPERIENCE

### Research Assistant

**May 2023 – Dec 2024**

*University of Utah Personal Data and Empowerment Lab*

*Salt Lake City, UT*

- Collected and analyzed 1,000+ Reddit posts focused on spinal cord injuries using Python. Categorized 39 key life factors influencing how individuals adapt to new physical abilities.
- Managed a multi-modal self-tracking system for power wheelchairs on the Particle Boron IoT platform. Ensured seamless data collection and achieved 100% user satisfaction among 9 participants.

### Teaching Assistant

**Aug 2024 – Dec 2024**

*University of Utah John and Marcia Price College of Engineering*

*Salt Lake City, UT*

- Graded assignments for 70 students, providing detailed code reviews and reports to enhance performance.
- Collaborated with the professor to design assessments integrating ethical theories into programming.

## LEADERSHIP

**Korean Student Association @ University of Utah | President**

**2022 – 2023**

**Student Council @ University of Utah | Vice President (Best Student Award)**

**2020 – 2021**