

# YEJUN KWAK

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## EDUCATION

**Carnegie Mellon University**  
**B.S. Information Systems**  
Minor in Human-Computer Interaction  
Expected Graduation: May 2024  
**Master of Information Systems Management**  
Expected Graduation: May 2025

## HONORS & AWARDS

Dean's List | Fall 2020, Spring 2021,  
Fall 2022, Spring 2023  
Heinz College Scholarship | 2024-2025  
Alpha Phi International Fraternity Merit  
Based Scholarship Recipient | 2021-2022

## ACTIVITIES

Women in IS | 2021 - Present  
Emerging Leaders | 2021  
Product @ CMU | 2023 - Present

## RELATED COURSEWORK

- Data Structures & Algorithms
- Application Design and Development
- Database Development and Design
- Fundamentals of Programming and CS
- Machine Learning in Practice
- Methods for Statistics & Data Science
- Information & Grid Design
- User-Centered Research & Evaluation
- Interaction Design Overview

## SKILLS

### Computer:

Java • SQL • MongoDB • Python •  
HTML5 • CSS3 • Git • Ruby • JavaScript  
• Django • React • Node.js • R

### Tools:

Tableau • Photoshop • Illustrator •  
Adobe XD • InDesign • Figma • Sketch •  
Prototope • Microsoft Office

### Design:

Wireframing • Visual Arts • Illustration •  
Storyboarding • Sketching • Research

## PROFESSIONAL EXPERIENCE

### Software Engineering Intern

Justworks (New York, NY) | May 2023 - Current

- Design and develop high-quality web and API functionalities, while adding new capabilities to Justworks' processing infrastructure.
- Implement internal services and enhanced the testing, monitoring, and continuous deployment infrastructure, contributing to the optimization of the company's operations.
- Conduct "game day" exercises to identify single points of failure and ensure the security and compartmentalization of extremely sensitive data.

### Research Assistant

Carnegie Mellon University (Pittsburgh, PA) | January - May 2023

- Conducted user testing at the Opioid Crisis Machine Learning Lab under Dr. Perer, collaborating with industry experts and local health officials.
- Spearheaded the creation of user testing questions, designed to elicit insights from local health officials. Conducted think-aloud and focus group exercises that informed key decisions for the research project.
- Facilitated weekly stand-up meetings with research assistants, industry experts, and renowned health officials from Pittsburgh University, promoting collaboration and effective communication among team members.

### Front-end Development Intern

Pure UX( San Francisco, CA) | June - August 2021

- Led the frontend development team in creating responsive websites: a website for companies testing job candidates' design proficiency(Pure Check) and an innovative healthcare app(Lily Family).
- Collaborated with different stakeholders to move up the release date of products by two times the actual planned release date, which enabled more room to test and get feedback from customers at an early stage.

## RELEVANT PROJECTS

### Cafe23 Application Development

Carnegie Mellon University | February - April 2023

- Developed a Ruby-based web application to manage internal cafe operations.
- Designed the application with a strong focus on MVC structure and security to ensure different types of users (admin, manager, and employee) had the appropriate level of access, and created APIs to enable the efficient retrieval of critical data.

### Ultimate Supper Frogger with Maze

Carnegie Mellon University | May 2021

- Developed an advanced version of the game "Supper Frogger" by using DFS recursion algorithms.
- Reconstructed the game by adding a maze version and enhanced user experience through easy controls and user interface design.

### Duquesne Incline Web Design & Development

Carnegie Mellon University | April 2021

- Designed and developed a fully responsive website for Pittsburgh Duquesne Incline to allow for cross-device compatibility.
- Generated hi-fi wireframes, interacted with potential users for user testing, and developed a functional, user-centered website.