

Ashley Won

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EDUCATION

Bachelor of Science in Computer Science (Data Science specialization)

Minors: Mathematics, Atmospheric Science

Indiana University Bloomington - Luddy School of Informatics, Computing, and Engineering May 2027

GPA: 3.62/4.00

Coursework: Functional programming, Object-oriented programming, Web development, Data Structures and Algorithms, Database concepts (with PostgreSQL), Linear Algebra, Calculus I & II, Introductory Physics

WORK EXPERIENCE

• **Undergraduate Instructor and Grader** January 2025 - Present
Indiana University — Bloomington, IN

- Evaluated and provided constructive feedback on assignments for 60 students across two sections in introductory algebra and set theory, ensuring timely grade delivery and supporting student mathematical development.
- Instructed and mentored students in a 251-student course on mathematical literacy, probability, and calculus applications to business and economics, collaborating with two other undergraduate instructors to deliver comprehensive learning support.

• **INFO-I101 Undergraduate Mentor** August 2024 - November 2024
Indiana University — Bloomington, IN

- Collaborated with undergraduate instructors to facilitate learning for 30 students in informatics fundamentals, delivering engaging lessons on programming, data visualization, and web development technologies.
- Guided students in designing and implementing technical projects using HTML, CSS, Python, Excel, and Google Data Studio, fostering hands-on skill development and project-based learning outcomes.

• **Barista** February 2023 - July 2023
Kim-Dae-Gi Coffee School — Gangnam-gu, Seoul, Republic of Korea

- Mastered multitasking in a fast-paced and crowded setting while coordinating team efforts during peak service hours and balancing multiple responsibilities to maintain high productivity and quality service standards.

• **Translator and Publishing Assistant** October 2014 - September 2015
Illustext Publishing — Seoul, Republic of Korea

- Translated and assisted in publishing The Creature from My Closet novel series by Obert Skye from English to Korean, adapting content for Korean audiences while preserving narrative integrity.
- Collaborated with the author and editorial team throughout the publication process, ensuring translations maintained the original tone, style.

PROJECTS

• **Engagement Tracking System for Luddy Events**

Boost Luddy Case Competition — Indiana University

- Developed a digital engagement tracking solution using Jotform for the Luddy Living Learning Center (Luddy LLC), replacing paper-based attendance systems and enabling real-time participant feedback collection at university events.
- Collaborated with a team of 5 to design and implement a QR code-based survey system with time-restricted access, presenting the complete solution to the Associate Director of Luddy LLC and competing against other teams.

• **Weather Forecast API Client**

- Developed a Java application that retrieves and parses real-time weather data using HTTP GET requests to the Open-Meteo API, displaying 7-day forecasts with 3-hour intervals for user-specified locations.
- Implemented JSON data parsing using Google's Gson library and Maven dependency management, extracting temperature and time arrays from API responses and formatting output for user readability.

• **Custom Browser Startpage**

- Designed and developed a customizable browser startpage template using HTML, CSS, and JavaScript with personalized navigation links, and modular design for easy user customization.

TECHNICAL SKILLS

Programming: C, Python, Java, R, Scheme, Data Structures and Algorithms

Technical Tools: Git, PostgreSQL, LaTeX, Markdown, Vim/Neovim, HTML/CSS, Javascript

Design & Platforms: Excel, Video Editing, Digital Art, Windows, MacOS, Linux, Obsidian