

MINHONG CHO

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Education

Georgia Institute of Technology

Bachelor of Science in Computer Science | GPA: 4.0/4.0

Aug. 2022 – Present

Atlanta, GA

Focus: Information Internetworks & Intelligence

Relevant Coursework: Data Structures and Algorithms, Object Oriented Programming, Objects and Design, Computer Organization, Computer Programming, Discrete Mathematics

Experience

YD&S Data Solutions Company | Web Development, AI Solutions

Software Engineer & Data Integration Specialist

Aug. 2025 – Present

Seoul, South Korea - YD&S (ydns.co.kr/en)

- Developed large-scale municipal data pipelines integrating 100+ government datasets via RESTful APIs and SpEL transformations, powering analytics dashboards for 20+ regional and national agencies.
- Collaborated directly with officials across 30+ city governments and public institutions to ensure data accuracy, compliance, and interoperability, cutting ingestion time by 40% and eliminating 500+ redundant records.
- Refactored React-based management systems and standardized data governance frameworks across GRIP 2.0 deployments, improving platform reliability and development efficiency by 25%.

Neuroscience Research Assistant | MATLAB

Data Analyst Assistant

June 2021 – December 2021

University of Toronto

- Applied advanced computational methods in neuromodulation research, analyzing over 10,000 data points using MATLAB for data organization and visualization.
- Optimized lab workflows and contributed to a research paper published in *Autonomic Neuroscience: Basic and Clinical*, presenting interdisciplinary expertise in biomedical and computational fields.
- Presented findings in weekly lab meetings, enhancing team understanding of data trends and outcomes, specifically highlighting the frequency-dependent bladder inhibition mechanism.

Projects

Spotify Wrapped Insights Dashboard

Full Stack Developer | Python, Django, JavaScript, HTML, CSS

August 2024 – December 2024

- Developed a responsive web application replicating Spotify Wrapped with dynamic user authentication and dark mode features.
- Integrated Spotify's Web API to fetch user data and display top tracks, artists, and albums in an interactive interface.
- Built a friend management system, enabling over 50 users to share and view wraps securely.
- Implemented database optimization techniques to process up to 1,000 wraps per user efficiently.

Advanced Restaurant Discovery & Recommendation Platform

Full Stack Developer | Python, Django, JavaScript, HTML, CSS

January 2024 – May 2024

- Led the development of a full-stack restaurant search platform using Python (Django), JavaScript, and integrated Google Maps/Places APIs for discovery and filtering.
- Implemented advanced search and filtering, improving user experience by allowing sorting by cuisine, location, and reviews in real-time.
- Developed secure user authentication and personalized features, enabling users to save favorites and manage profiles.
- Optimized performance with improved database queries and API integration, reducing search times by 40%.

Technical Skills

Languages: Python, Java, C, HTML/CSS, JavaScript, Matlab

Developer Tools: VS Code, Eclipse, IntelliJ IDEA, PyCharm, CircuitSim

Technologies/Frameworks: Linux, GitHub, JUnit, Django