Dongsub Kim

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Education

University of Michigan Ann Arbor, MS in Information Science   Sept 2025 -

University of Michigan Ann Arbor, BS in Computer Science   Sept 2020 – Dec 2023
- **Cumulative GPA:** 3.53/4.0
- **Coursework:** Operating Systems, Web Systems, Computer Vision, Programming Paradigms

Experience

University of Michigan Transportation Research Institute (UMTRI)   Ann Arbor, MI
Research Assistant   May 2025 –
- Currently developing / enhancing user experience of an online 3D wheelchair modeling tool

HelloMed   Ann Arbor, MI
Full Stack Engineer   Mar 2024 - Mar 2025
- Designed and developed UI/UX, backend, and database systems to securely manage sensitive healthcare data; additionally led SEO strategy to improve site visibility and performance

Korean International Student Association (Umich KISA)   Ann Arbor, MI
Web Development Team Lead   Sep 2022 - Apr 2025
- Initiated and led the development of the website for the association; oversaw the team and managed the full-stack project with a focus on backend infrastructure and AWS deployment

DB Groups   Seoul, South Korea
Machine Learning Engineer   Jun 2023 - Aug 2023
- Participated in the automation of semiconductor wafer chip final outgoing inspection process by training image recognition / defect detection models using actual wafer chip image data from production lines

ROWAN   Seoul, South Korea
Data Analyst   Apr 2021 - Aug 2021
- Processed neurosurgery diagnosis natural language data from actual Alzheimer's patients using AI models; also developed a motion capture game designed to cure early stage Alzheimer's using Python.

Projects

HelloMed Website   www.hello-med.com
- Official website of walk-in clinic HELLOMED. Full-stack developed from scratch. Main challenges involved SEO, sensitive (medical, HIPAA compliant level) data storage and handling.
  Typescript, Python Flask, Next.js, React, CSS, AWS, MySQL, SEO, Cybersecurity

UMICH KISA Website   www.umichkisa.com
- Official website of the Korean International Student Association at the University of Michigan. Provides general information for newcomers to the U of M, and provides an online community through bulletins.
  Typescript, Python Flask, Next.js, React, CSS, AWS, MySQL, Product Management, Agile Development, DevOps

Skills

Languages: Korean (native), English (Full Professional Proficiency), Japanese (Elementary Proficiency)

Professional Skill Stack: Typescript, Python, SQL, C/C++, CSS, HTML, React, React Native, Next.js, AWS S3, AWS RDS, AWS Elastic Beanstalk, AWS Cloudfront, AWS SNS, Pandas, TensorFlow