Jihyo Park

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OBJECTIVE

Seeking for an internship position during summer 2025 as a expected spring 2026 graduate majoring in Computer Science and Mathematics

EDUCATION

University of Maryland | Dual Degree   College Park, MD
Bachelor of Science in Computer Science   *Expected May 2026*
Bachelor of Science in Mathematics   *GPA:* 3.95/4.0
- **Honors:** President's Scholarship, 2022-2024 Dean's List
- **Courses:** Probability Theory, Computer Systems Architecture, Advanced Data Structures, Artificial Intelligence, Data Science, Algorithms, Organization of Programming Languages, Harmonic Analysis: Signals Processing, Advanced Linear Algebra, Computer Systems, Discrete Structures, Object-Oriented Programming II, Calculus III

EXPERIENCE

Teaching Assistant - Introduction to Computer Systems (CMSC216)   January 2024 - Present
Department of Computer Science, University of Maryland   *College Park, MD*
- Led 4 discussions of 72+ direct students, demonstrated C and Assembly labs that precede lectures
- Held office hours twice a week to assist a total of 200+ students in understanding concepts and debugging projects regarding C and x86-64 Assembly languages
- Constructed rubrics and graded 170+ student exams and projects every month

CMNS Peer Mentor   March 2024 - Present
College of Computer, Mathematics, and Natural Sciences (CMNS), University of Maryland   *College Park, MD*
- Worked 4.5 hours a week at the CMNS front desk and helped CMNS students construct graduation plans
- Assisted a university introduction course of 10 weeks with 32 students

Intern   June 2024 - August 2024
Way Maker School, D.LAB   *Bundang-gu, Republic of Korea*
- Developed a Korean sign language translation model and a flutter app for phone call between deaf and hearing individuals
- Managed students taking part in the development and taught ML algorithms, debugging, and report construction

SELECTED PROJECTS

Terp2Table | *Technica 2023 (Hackathon)*   October 2023
- 1st place, Optiver: Best Hack for Sustainability
- Developed a marketplace for UMD students living in apartments to cook or buy affordable meals from their neighbors. Contributed in data communication with Firebase
- Web app development using React.js, HTML, CSS, JavaScript, and Firebase
- Implemented Google authentication sign-in, main feed, reservation form, and more

CollegeTalks | *Personal Project*   August 2023 - May 2024
- Developed a marketplace for college applicants and college students to be connected for college counseling, information gathering, and general guidance
- Cross-platform app development using Flutter and Firebase
- Implemented sign-in, main feed/search, chat, scheduling, payment, reviews, and more
- Acquired essential skills in all steps of MVP release, Beta testing, and skills in collaboration

Other Project Topics | *Projects from Coursework*   August 2022 - Present
- Artificial Intelligence: Reinforcement Learning, IMDb movie poster data genre classification in Python
- Data Structures: B-trees, scapegoat trees, skip lists, and other data structure implementation in Python
- Programming Languages: Lambda Calculus interpreter (lexer, parser, & interpreter) in OCaml, Regex engine (Regex to NFA & NFA to DFA) in Python and OCaml, spell checker in Rust
- Computer Systems: figlet, ranked choice voting, Makefile, and malloc()/free() implementation in C (TA)

TECHNICAL SKILLS

Languages: Python, Java, C/C++, OCaml, Rust, MIPS & x86-64 assembly, matlab, HTML/CSS, JavaScript, MySQL

Tools, Frameworks, and Libraries: git, Flutter/Dart, Firebase, TensorFlow, PyTorch, LaTeX