James Kim

CONTACT INFORMATION	Cornell University Bowers College of Computing and Information Sciences College of Arts & Sciences Ithaca, NY	*Email:* jjk297@cornell.edu *Website:* biojameskim.github.io *Linkedin:* in/biojameskim *Blog:* biojameskim.me

RESEARCH INTERESTS

Deep Learning, Machine Learning: AI Agents, LLMs
Computational Neuroscience: Neural Correlates of Cognition
Human-Computer Interaction: Ubiquitous Computing

EDUCATION

Cornell University Graduate School — 08/2025 – 05/2027, Ithaca, NY
M.S. in Computer Science *(Fully Funded Thesis-based program)*
Advisor: Jennifer Sun

Cornell University — 08/2021 – 05/2025, Ithaca, NY
B.A. in Computer Science, B.A. in Mathematics
Distinction in All Subjects — GPA: 3.9
Advisor: Amy Kuceyeski

RESEARCH EXPERIENCE

SunLab — 06/2025 – Present, Ithaca, NY
Cornell University
Research Assistant under Professor Jennifer Sun

Computational Connectomics (CoCo) Laboratory — 01/2024 – Present, NY, NY & Ithaca, NY
Weill Cornell Medicine & Cornell University
Research Assistant under Professor Amy Kuceyeski

The Smart Computer Interfaces for Future Interactions (SciFi) Laboratory — 08/2023 – 05/2024, Ithaca, NY
Cornell University
Research Assistant under Professor Cheng Zhang

PROFESSIONAL EXPERIENCE

United States Department of the Navy — 07/2025 – Present, Ithaca, NY
LLM Research Software Engineer Intern

Ann S. Bowers College of Computing and Information Sciences — 01/2024 – 01/2025, Ithaca, NY
Course Consultant – Data Structures and Functional Programming

Southern California Edison (SCE) — 05/2023 – 08/2023, Rosemead, CA
Software Engineer Intern

Cornell Hack4Impact — 08/2022 – 08/2023, Ithaca, NY
Full Stack Software Engineer

Wazzle — 04/2022 – 08/2022, Dallas, TX
Software Engineer Intern

LEADERSHIP & COMMUNITY INVOLVEMENT

MELBA Journal: Machine Learning for Biomedical Imaging — 03/2024 – Present
Logistical Coordinator – Symposium Series

Splash! at Cornell 04/2024
Lecturer – ML in Medicine [*Link*]

Asian American InterVarsity (AAIV) 01/2022 – Present
Master of Ceremonies

Me & Korea, Inc. 06/2015 – Present
Bilingual Translator / Tour Guide / Language Instructor

PUBLICATIONS [Google Scholar] [ORCiD]

[1] **James Kim**, Qingyu Zhao, Mert Sabuncu, Amy Kuceyeski. Predicting Future Alcohol Use via Connectome-behavior Mapping. (*First-author manuscript in preparation - Poster presentation @ OHBM2025*)

[2] Chi-Jung Lee, Ruidong Zhang, Devansh Agarwal, Tianhong Catherine Yu, Vipin Gunda, Oliver Lopez, <u>**James Kim**</u>, Sicheng Yin, Boao Dong, Ke Li, Mose Sakashita, François Guimbretière, and Cheng Zhang. EchoWrist: Continuous Hand Pose Tracking and Hand-Object Interaction Recognition Using Low-Power Active Acoustic Sensing On a Wristband. *ACM Conference on Human Factors in Computing Systems (CHI) 2024.* doi:10.1145/3613904.3642910

MEDIA

1. Summer program gives undergraduates a taste of research life, *Cornell Bowers CIS Spotlight*, August 2024

2. Wristband uses echos, AI to track hand positions for VR and more, *Cornell Chronicle*, April 2024

AWARDS &
HONORS

CRA Outstanding Undergraduate Researcher Award – Honorable Mention	2025
P&G Technical Excellence Award – 1st Place	09/2024
Cornell University – CS Course Staff Exceptional Service Award	05/2024
Cornell University – Arts & Sciences Dean's List	Received every semester
The Jihoon Rim Foundation Scholarship	04/2024
Elks National Foundation – Most Valuable Student Scholarship	2021 – '25
The President's Volunteer Service Award – Gold (6x)	2018 – '22, '24
Southern California Edison – 2023 Intern Expo 1st Place	08/2023

RELEVANT
COURSEWORK

Computer Science:
- Deep Learning, Machine Learning, Natural Language Processing, Operating Systems, Computer System Organization, Robotics, Database Systems, Analysis of Algorithms, Functional Programming, Discrete Structures, Object Oriented Programming and Data Structures, Data Science, Backend Development, Computing in Python, Web Programming/Design

Mathematics:
- Advanced Linear Algebra, Applicable Algebra, Nonlinear Dynamics and Chaos, Applied Complex Analysis, Mathematical Proofs, Multivariable Calculus, Probability and Statistics

SKILLS &
LANGUAGES

Languages:
- English (native), Korean (native), Spanish (limited working proficiency)

Software Languages:
- Java, Python, OCaml, C, JavaScript, TypeScript, HTML, CSS, Swift, Bash, SQL, PostgreSQL, SQLite, SQLAlchemy

Frameworks & Libraries:
- Firebase, Node.js, React, React Native, Expo, Express.js, Next.js, Flask, MongoDB, Pandas, NumPy, TailwindCSS

Tools:
- Git, Linux, Docker, Postman, XCode, Microsoft Azure, OpenAI API

Last Revised: 07/2025