

James Kim

CONTACT INFORMATION	Cornell University Bowers College of Computing and Information Sciences College of Arts & Sciences Ithaca, NY	<i>Email:</i> jjk297@cornell.edu <i>Website:</i> biojameskim.github.io <i>Linkedin:</i> in/biojameskim <i>Blog:</i> biojameskim.me
RESEARCH INTERESTS	Computational Neuroscience: Neural Correlates of Cognition Human-Computer Interaction: Ubiquitous Computing	
EDUCATION	Cornell University B.A. in Computer Science, B.A. in Mathematics Advisor: Amy Kuceyeski	08/2021 – 05/2025 Ithaca, NY GPA: 3.86
RESEARCH EXPERIENCE	Computational Connectomics (CoCo) Laboratory <i>Weill Cornell Medicine & Cornell University</i> Research Assistant under Professor Amy Kuceyeski The Smart Computer Interfaces for Future Interactions (SciFi) Laboratory <i>Cornell University</i> Research Assistant under Professor Cheng Zhang	01/2024 – Present NY, NY & Ithaca, NY 08/2023 – 05/2024 Ithaca, NY
PROFESSIONAL EXPERIENCE	Ann S. Bowers College of Computing and Information Sciences Course Consultant – Data Structures and Functional Programming Southern California Edison (SCE) Software Engineer Intern Cornell Hack4Impact Full Stack Software Engineer Wazzle Software Engineer Intern	01/2024 – Present Ithaca, NY 05/2023 – 08/2023 Rosemead, CA 08/2022 – 08/2023 Ithaca, NY 04/2022 – 08/2022 Dallas, TX
PUBLICATIONS	[Google Scholar] [1] Chi-Jung Lee, Ruidong Zhang, Devansh Agarwal, Tianhong Catherine Yu, Vipin Gunda, Oliver Lopez, James Kim , 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. <i>ACM Conference on Human Factors in Computing Systems (CHI) 2024</i> . doi:10.1145/3613904.3642910	
MEDIA	1. Wristband uses echos, AI to track hand positions for VR and more, Cornell Chronicle, April 2024	

LEADERSHIP & COMMUNITY INVOLVEMENT	<p>MELBA Journal: Machine Learning for Biomedical Imaging 03/2024 – Present Logistical Coordinator – Symposium Series</p> <p>Splash! at Cornell 04/2024 Lecturer (ML in Medicine)</p> <p>Asian American InterVarsity (AAIV) 01/2022 – Present Master of Ceremonies</p> <p>Me & Korea, Inc. 06/2015 – Present Bilingual Translator / Tour Guide / Volunteer</p>
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AWARDS & HONORS	<p>Cornell University – CS Course Staff Exceptional Service Award 05/2024</p> <p>Cornell University – Arts & Sciences Dean’s List Received every semester</p> <p>The Jihoon Rim Foundation Scholarship 04/2024</p> <p>Elks National Foundation – Most Valuable Student Scholarship 2021 – 2025</p> <p>Southern California Edison – 2023 Intern Expo 1st Place 08/2023</p> <p>The President’s Volunteer Service Award – Gold (5x) 2018 – 2022</p>
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RELEVANT COURSEWORK	<p><i>*In Progress</i></p> <p>*Advanced Linear Algebra, *Nonlinear Dynamics and Chaos, Machine Learning, Applicable Algebra, Mathematical Proofs, Linear Algebra, Probability and Statistics, Operating Systems, Computer System Organization, Robotics, Database Systems, Analysis of Algorithms, Data Science, Functional Programming, Discrete Structures, Object Oriented Programming and Data Structures, Backend Development, Computing in Python, Design and Programming for the Web</p>
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SKILLS & LANGUAGES	<p>Languages:</p> <ul style="list-style-type: none"> • English (native), Korean (native), Spanish (limited working proficiency) <p>Software Languages:</p> <ul style="list-style-type: none"> • Java, Python, OCaml, C, JavaScript, TypeScript, HTML, CSS, Swift, Bash, SQL, PostgreSQL, SQLite, SQLAlchemy <p>Frameworks & Libraries:</p> <ul style="list-style-type: none"> • Firebase, Node.js, React, React Native, Expo, Express.js, Next.js, Flask, MongoDB, Pandas, NumPy, TailwindCSS <p>Tools:</p> <ul style="list-style-type: none"> • Git, Linux, Docker, Postman, XCode, Microsoft Azure, OpenAI API
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Last Revised: 07/2024