

Ryan Kim

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EDUCATION

Ph.D. Candidate in Computer Science

Sep. 2022 — Current

Department of Computer Science and Engineering, New York University

New York City, NY, USA

- *Topics:* Augmented/Virtual Reality (AR/VR), Virtual Agents, Urban Simulation
- *Funding:* U.S. DoE - Graduate Assistance in Areas of National Need (GAANN) - award P200A210096

Master of Engineering in Computer Science

Aug. 2019 — May 2020

Cornell Tech, Cornell University

New York City, NY, USA

- *Topics:* Algorithms and Data Structures, AR/VR, User Experience (UX) Research Methods
- *Honors:* Cornell Tech Merit Scholarship

Bachelor of Arts in Information Science

Aug. 2014 — May 2018

College of Arts & Sciences, Cornell University

Ithaca, NY, USA

- *Topics:* Web Design / Programming, Human-Computer Interaction (HCI), UX Design

INDUSTRY EMPLOYMENT

Contractor: Curriculum Developer

May 2021 – Aug. 2022

MIMO

Seoul, South Korea

- Deployed a 14-module online curriculum based on Bloom's Taxonomy to teach 5k+ users about React development
- Implemented a Jest-based unit test framework for parsing and validating students' JavaScript and React.js code

Contractor/Consultant: UX Designer & Front-End Engineer

Aug. 2020 – Apr. 2021

Tucan Fitness

Seoul, South Korea

- Optimized the code and design aesthetics of Tucan Fitness' online interfaces for virtual race management and account registration, improving user retention by 170%
- Established a UX-based workflow for collecting, coding, and analyzing user interviews and feedback

Co-Founder: Chief Design Officer & Front-end Engineer

Jan. 2020 – Feb. 2021

OnePlace

New York City, NY, USA

- Co-found OnePlace with Cornell Tech alumni to develop an encrypted file-sharing web service for families
- Translated high-fidelity user interface wireframes into OnePlace's web application using React Native
- Evaluated OnePlace's UX front-end features in weekly sprints based on early adopter feedback and feature requests
- Consulted with co-founders on opportunities for company growth, outreach, and venture capital funding

ACADEMIC EMPLOYMENT

Teaching Assistant

Aug. 2025 — Current

CS-GY 6313-B — Information Visualization

New York University

- *Supervisor:* Dr. Claudio Silva
- Prepared Observable notebooks, instructions, and grading guidelines for homework and project materials
- Managed lab recitations to provide auxiliary code exercises and increase student engagement with course concepts
- Supervised weekly Office Hours sessions to advise students on programming and project-related questions

Teaching Assistant

Jan. 2024 — May 2024

CS-GY 6313 — Information Visualization

New York University

- *Supervisor:* Dr. Qi Sun
- Prepared Python notebooks, instructions, and grading guidelines for homework and project materials
- Supervised weekly Office Hours sessions to advise students on programming and project-related questions

TECHNICAL SKILLS

Programming & Markup Languages: C#, Python, HTML5, CSS3, JavaScript, PHP, SQL, C, C++

Frameworks & Libraries: OpenXR, React.js, React Native, Node.js, Angular, jQuery.js, D3.js

Developer Tools: Meta Quest/Quest 2/Quest 3/Quest Pro, Unity3D, Photoshop, Figma, After Effects, Git, Cinema4D