

Ryan Kim

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EDUCATION

Ph.D. Candidate in Computer Science <i>Department of Computer Science and Engineering, New York University</i>	Sep. 2022 — Current <i>New York City, NY, USA</i>
<ul style="list-style-type: none"><i>Topics:</i> Augmented/Virtual Reality (AR/VR), Virtual Agents, Urban Simulation<i>Funding:</i> U.S. DoE - Graduate Assistance in Areas of National Need (GAANN) - award P200A210096	
Master of Engineering in Computer Science <i>Cornell Tech, Cornell University</i>	Aug. 2019 — May 2020 <i>New York City, NY, USA</i>
<ul style="list-style-type: none"><i>Topics:</i> Algorithms and Data Structures, AR/VR, User Experience (UX) Research Methods<i>Honors:</i> Cornell Tech Merit Scholarship	
Bachelor of Arts in Information Science <i>College of Arts & Sciences, Cornell University</i>	Aug. 2014 — May 2018 <i>Ithaca, NY, USA</i>
<ul style="list-style-type: none"><i>Topics:</i> Web Design / Programming, Human-Computer Interaction (HCI), UX Design	

INDUSTRY EMPLOYMENT

Contractor: Curriculum Developer <i>MIMO</i>	May 2021 – Aug. 2022 <i>Seoul, South Korea</i>
<ul style="list-style-type: none">Deployed a 14-module online curriculum based on Bloom's Taxonomy to teach 5k+ users about React developmentImplemented a Jest-based unit test framework for parsing and validating students' JavaScript and React.js code	
Contractor/Consultant: UX Designer & Front-End Engineer <i>Tucan Fitness</i>	Aug. 2020 – Apr. 2021 <i>Seoul, South Korea</i>
<ul style="list-style-type: none">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 <i>OnePlace</i>	Jan. 2020 – Feb. 2021 <i>New York City, NY, USA</i>
<ul style="list-style-type: none">Co-founded OnePlace with Cornell Tech alumni to develop an encrypted file-sharing web service for familiesTranslated high-fidelity user interface wireframes into OnePlace's web application using React NativeEvaluated OnePlace's UX front-end features in weekly sprints based on early adopter feedback and feature requestsConsulted with co-founders on opportunities for company growth, outreach, and venture capital funding	

ACADEMIC EMPLOYMENT

Teaching Assistant <i>CS-GY 6313-B — Information Visualization</i>	Aug. 2025 — Current <i>New York University</i>
<ul style="list-style-type: none"><i>Supervisor:</i> Dr. Claudio SilvaPrepared Observable notebooks, instructions, and grading guidelines for homework and project materialsManaged lab recitations to provide auxiliary code exercises and increase student engagement with course conceptsSupervised weekly Office Hours sessions to advise students on programming and project-related questions	
Teaching Assistant <i>CUSP-GX 8093A — Data Visualization</i>	Jan. 2024 — May 2024 <i>New York University</i>
<ul style="list-style-type: none"><i>Supervisor:</i> Dr. Qi SunPrepared Python notebooks, instructions, and grading guidelines for homework and project materialsSupervised 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