Jung Yun (Yoona) Oh

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Education

Rice University, Houston, TX — Expected May 2021

- Bachelor of Arts, Double Major in Computer Science and Cognitive Science
- QuestBridge National College Match Scholarship Recipient
- GPA: 3.46 / 4.00
- Relevant coursework: Intro to Database Systems, Fundamentals of Parallel Programming, Intro to Program Design, Reasoning About Algorithms, Linear Algebra

Skills

- **Programming languages**: Python, Java, C, JavaScript
- **Design**: Axure, Prototyping, Wireframes, User Personas/Flows, Affinity Diagramming
- **Other**: SQL, MongoDB, Cypher, HTML, CSS, LaTeX, Terminal, Google App Engine

Experience

Undergraduate Researcher, *University of Rochester*, Rochester, NY — May 2019 – July 2019

- NSF REU Computational Methods for Understanding Music, Media, and Minds Scholar
- Developed a low-fidelity projection interface of an augmented reality (AR) system that helps facilitate communication in hearing parent-deaf child interaction

Research Assistant, *Rice University Computer Human Interaction Lab* — Jan 2019 – May 2019

- Designed and implemented a voting ballot interface using JavaScript, HTML, and CSS
- Administered 10 eye-tracking experiments tracking people's interactions with voting ballot
- Collected and visualized data from these experiments using Gazepoint Analysis software

User Experience (UX) Intern, *OpenStax*, Houston, TX — May 2018 – Aug 2018

- Designed low-fidelity prototypes addressing accessibility issues on the OpenStax website
- Developed a high-fidelity prototype for the OpenStax webview reading experience
- Co-designed an automated usability test participant recruitment/research system

Projects

AR American Sign Language (ASL) — May 2019 – July 2019

- AR projection lamp that helps hearing parents learn ASL to communicate with their deaf infant by displaying sign language videos of objects in their immediate play environment
- Projection interface prototype developed using JavaScript, HTML, CSS, and YouTube APIs
- Object recognition feature explored using Python libraries OpenCV and TensorFlow

Pretty Pictures — Nov 2018

- Final project for Intro to Program Design course
- Implemented a genetic algorithm and deployed a web microservice for generating pretty, as defined by the user, computer graphics and images using Java

Extracurriculars

Rice QuestBridge Scholars — Aug 2017 – present

- Mentor for the Mentor Families Program — Aug 2018 – present
- Events Coordinator — Aug 2018 – May 2019