

Alana Zakroczemski

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EXPERIENCE

University of Rochester, Undergraduate Research Assistant — Jan 2019 - Present

- Started a position with the Human-Computer Interaction Department and Optical Engineering Department at the University of Rochester in contributing to their ongoing project 'Hyperion', a mixed reality user experience for optical design computation and visualization
- Currently researching possibilities for the 3D interactive design of the interface, and in transitioning the current application platform from Oculus (VR) to HoloLens (AR)

Urchin Systems, UX/UI Developer & Webmaster — Mar 2018 - Present — urchinsys.com

- Working part time with a team of Software Developers in Moldova to produce an unemployment tax management software for a client, specifically on the support side with Zendesk integration in creating chat features & an email bot for FAQ
- Experience in creating wireframes and prototypes in InVision, developing the company's and client's sites hosted on Wordpress, in contributing to the front-end of client software using Angular & Node.js, and communicating with the client as their webmaster

Sesame Workshop, Web Development Intern — June 2017 - Aug 2017 ->

Photographer Mentee — June 2018 - Present — sesameworkshop.org

- Created a memory game making engine for other employees to create over one hundred customized memory games for Sesame Street English courseware using Javascript (sesamestreetenglish.com)
- Worked with a small team in making a social media site for clinics in Japan using a PHP framework, Laravel, and MySQL
- Continued the following summer to work with one of their creative directors, Louis Mitchell, as a photography mentee and assisted at numerous Sesame Street shoots

Piece&Co., Product Development Intern — May 2017 - Aug 2017 — pieceandco.com

- Assisted with curating design and technique books, and photographing fabric for cataloging textile techniques to present to clients, and helped organize a show for our collection with Banana Republic

University of Rochester, Computer Science Teaching Assistant — Aug 2016 - Present

- Two years experience in being a workshop leader for 'Intro to Programming' and 'Data Structures and Algorithms', and recently chosen to be a TA for 'Web Programming'
- Leads a weekly workshop with a group of students to help them understand class material at a higher level, grades exams and quizzes, and organizes review sessions

Participant, Recurse Center — May 2016 - Aug 2016 — recurse.com

- Accepted into a NYC based, self-directed programming retreat to transition into the tech community after my freshman year of undergrad
- Collaborated in experimenting with a Javascript art library, p5.js, and creating sketches featured on my personal website, grasping the ins and outs of Github, and learning Python

PROJECTS

Eye Message

Co-winner of the 'Best Hack for Social Good' by JP Morgan at the Women In Computing Hackathon hosted by RIT. The AR web application uses an open source Javascript library, p5.js, to create an interface for those who can't speak well or use their hands for the computer. The user communicates to others in flipping through the possible messages by raising their eyebrows, and choosing a message by opening their mouth.

EDUCATION

University of Rochester, Computer Science Major & Studio Art Minor, 2019