

RHEA SINGH

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Education

University of Michigan – Ann Arbor, MI

September 2016 – April 2020

Pursuing B.S. in Computer Science Engineering, minor in History.

Relevant Coursework: Programming and Introductory Data Structures, Discrete Math, Microprocessors and Toys: An Introduction to Computing Systems, Differential Equations, Data Structures and Algorithms, Foundations of Computer Science.

Member and Peer Mentor in the Michigan Research Community.

Nanyang Technological University – Singapore

June 2017 – July 2017

Relevant Coursework: Entrepreneurship and Marketing for New Ventures, Entrepreneurial Accounting and Finance.

Work Experience

Peer Mentor, Michigan Research Community

September 2017 - present

Mentor four freshmen in the Michigan Research Community, providing them with guidance, direction, and help with their coursework and undergraduate research.

Web Developer Intern, CVMedia

January 2015 – August 2016

Helped edit website, modified customer database, called and interacted with customers, searched for client leads, and optimized YouTube page for CVMedia, a local video production company.

Activities

Controls Division, Michigan Hyperloop

September 2017 – present

Design controls system in Python for our Hyperloop pod, which is a high-speed transport solution in which a pod travels in a vacuum. Work on lockstep redundancy system to safeguard against microprocessor failures.

News Team, Michigan Daily

September 2017 – present

Cover news stories around campus, interview students and Ann Arborites to bring important issues and events to print. The Michigan Daily, our student newspaper, is the only daily publication in Washtenaw County.

Research Assistant, CroMa Lab, University of Michigan

October 2016 – present

Build system that constructs affordance templates (3D-models paired with object properties) of common items through input from human crowd workers, with the goal of creating a library of these for robots to more efficiently and naturally interact with humans.

Member, GEECS

September 2016 – present

Support other women engineers through the Girls in EECS program. Teach and learn from them, raise money to send girls to Grace Hopper Computing Conference every year.

Awards, Honors, Skills

- Java, HTML, CSS, Javascript, C++, LaTeX, MySQL and MATLAB programming knowledge.
- Awarded \$20,000 Scholarship by Michigan Council of Women in Technology.
- University of Michigan Regents Honors Scholar.