

ZACH BOHENICK

INVENTOR

DESIGNER

LEADER

CONTACT

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EDUCATION

BA EXPERIENCE ARCHITECTURE
Michigan State University | Graduating Dec 2019

MAJOR GPA : 3.9

COURSEWORK : Engineering Design,
Interaction Design, Ergonomics, Digital
Rhetoric, Prototyping, Typography,
Modern Physics, Circuits, Statics,
Differential Equations, Leadership and
Innovation.

SKILLS

SOFTWARE

- Sketch, Figma
- Adobe Suite
- Solid Works, PTC Creo, NX
Unigraphics

WEB DEVELOPMENT

- HTML/CSS
- Javascript, jQuery, JSON
- Ruby on Rails

METHODS

- Human-Centered Design
- Rapid Prototyping
- Design for Manufacturing
- Agile Development

MECHANICAL

- CNC Machine Operation
- Manual Mills, Lathes, Soldering

EXTRACURRICULAR

XR SYMPOSIUM

Cornell Tech Univeristy & Verizon Media | July 2019

Worked with a team of researchers, advocates, and industry professionals to generate accessibility guidelines for XR devices and platforms.

SILICON VALLEY STUDY AWAY

Michigan State University | May 2019

Visited with Accessibility teams at Walmart, Google, Oath, Microsoft, Intuit, Apple, and Facebook. Created "Helping Home" application concept.

- Learned new and existing accessibility solutions
- Presented designs for Helping Home, an application helps improve the lives of caretakers and family members of patients with Alzheimers, dementia, and other forms of memory loss using Google smarthome technology

EXPERIENCE

FRONT-END DEVELOPER

Michigan State University | Jan - May 2019

Worked on a team of 16 students, collaborating through Github, tasked with improving the interface, navigation, and interactive features of the Our Michigan Avenue website using Ruby on Rails, Javascript, and Bootstrap.

- Interviewed 4 Government officials and conducted usability testing
- Prioritized accessibility, test-driven development, and agile development
- Created user stories, user flows, wireframes, and high-fidelity prototypes

JUNIOR ENGINEER

Whirlpool Corporation | Summer 2014, Summer 2015

Hired onto the vertical axis research and development team responsible for designing, developing, fabricating and testing solutions to increase the capacity of top-load washing machines.

- Awarded Patent **US20170030000A1** | Feb 2019
- Developed over 25 prototypes and parts using manual machining tools
- Built displays and mock-ups for vendor presentations

ENGINEERING DESIGN

Michigan State University | Aug - Dec 2013

Worked with the Resource Center for Persons with Disabilities to transform the way blind and low vision students navigate campus.

- Interviewed blind and low vision students to better suit their needs
- Created a detailed, embossed map of campus
- Developed an interface to relay building, street, and landmark names
- Gained experience in teamwork and accessibility