

Zackary Schreur

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Education

Michigan State University

August 2015 – May 2019

- Computer Science – Bachelor of Science
- Mathematics – Minor
- GPA: 3.97
- Honors College, Dean's List

Technical Skills

- Proficient: C/C++, Java, Python
- Experienced: Swift, SQL, Bash, Git
- Introductory: Google Firebase, Hadoop, HTML/CSS

Experience

Auto-Owners Insurance – East Lansing, MI

May 2018 – August 2018

Software Developer

- Created a web application which easily displays database information and allows developers to check data on the web page as opposed to printing it to a local file.
- Completed Auto-Owner's Java SE and DB2 training to be qualified to work on Java projects and learn the Auto-Owners programming standards.

SoundOff Signal – Hudsonville, MI

May 2017 – August 2017

IT Intern

- Respond to internal IT help desk tickets by working with the issuer to investigate what the problem is. Then work with my team to fix the problem so that SoundOff employees could continue working efficiently.
- Created and reformatted the packaging labels with LabelView so that the label design would be consistent and easy to read.
- Helped implement the new system for printing labels on the shop floor by training the shop floor manager so that label printing would require a single barcode scan and fewer clicks.

Projects

EducatAR

January 2019

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- EducatAR is an app which adds the ability to use Augmented Reality with physical materials we use every day such as notecards and textbooks.
- EducatAR is an Augmented Reality iOS and WebApp created with Apple's ARKit, Google Firebase, HTML, and JavaScript.
- My focus was on the creation of the iOS app and the integration of that with Google's Firebase. When everything was complete, we were able to update notes inside of the app, and then immediately the update would appear in Google Firebase and on our webpage.
- Winner of: 'Best Hack for Improving Learning Experience', 'Most Technically Impressive', 'Best Hack for Digital Twins', and 'Best User Interface and Human Machine Interaction'

Survival of the Fittest with Rock Paper Scissors

February 2017 – May 2017

Michigan State Honors Research Seminar

- An app which ran an evolutionary simulation of organisms playing rock, paper, scissors against each other. This was developed in Processing and then the data obtained from running the program was presented at UURAF 2017
- Created a visualization of the running algorithm in Processing to better understand the population dynamics and make graphics for a poster presentation.

Other Involvements

Volunteer Young Life Leader

August 2016 – Present

- Mentor to East Lansing High School students by putting on weekly events and building relationships with them to minister to them and be a friend for them.

- Help lead weekly team meetings to plan event games, music, themes, and logistics where our goal is that each club would be the best part of every kid's week.