

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: SQL, Bash, Git
- Introductory: AWS, Hadoop

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.
- Organized and ran code review meetings for my projects.
- 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.
- Updated the inventory records for software used throughout the company by checking system information remotely and manually so that SoundOff would be prepared for audits.

Atomic Games – Grand Rapids, MI

October 21, 2017

Contestant

- A day long programming competition where teams of two create an AI to play a game created by Atomic Object and compete against each other tournament style.
- Created an AI in Python proficient at playing the event's game by gaining points by searching and gathering resources. Worked efficiently under pressure in a team environment.

Projects

Survival of the Fittest with Rock Paper Scissors

February 2017 – May 2017

- Developed an evolutionary algorithm where organisms play rock paper scissors against each other. The result modeled survival of the fittest so that the dominating strategy (Rock, Paper, or Scissors) would be more likely to win.
- Created a visualization of the running algorithm in Processing to better understand the population dynamics and make graphics for a poster presentation.
- Presented the running program and resultant data at the University Undergraduate Research and Arts Forum as 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.