

Zackary Schreur

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Objective

To secure a full-time position as a software engineer that utilizes my skills and expands my knowledge in computer science.

Education

Michigan State University

August 2015 – May 2019

- B.S., Computer Science; Minor, Mathematics
- Honors College, College of Engineering
- GPA: 3.97
- CSE 335 – Software Design (C++, UML, Visual Studio, Object Oriented Design)
- CSE 422 – Computer Networks (C, TCP, UDP)
- CSE 425 – Intro to Computer Security (C, WireShark, Linux)
- CSE 431 – Algorithm Engineering (Python, C++, NP-Complete, Dynamic Programming)
- CSE 480 – Database Systems (SQL, Python, Regex)
- CSE 482 – Big Data Analysis (Hadoop, Python)
- CSE 491 – Organization of Programming Languages (Scala, Clojure, Rust, Haskell, Functional Python)
- MTH 481 – Discrete Mathematics (Counting, Graph Theory, Recurrence Relations)

Technical Skills

- Proficient: C, C++, Java, Python, Bash, Git
- Introductory: C#, Swift, SQL, HTML/CSS

Experience

Auto-Owners Insurance – East Lansing, MI

Summer 2018

Software Developer Intern

- Created a web application to dynamically displays database information
- Refracted a web application to allow associates to import, review and customize xml data
- Arranged meetings to review and describe the developer tools I created
- Resolve issues in SonarQube in order to improve code quality and maintainability

SoundOff Signal – Hudsonville, MI

Summer 2017

IT Intern

- Resolved IT help desk tickets to ensure SoundOff employees would continue working effectively
- Redesigned packaging labels so they have would have a more consistent design
- Train Shipping and IT manager to use the new labeling system I helped implement

Projects

Internal Telemetry for TechSmith Products

January 2019 – Present

- Worked on a team of five students in MSU senior capstone course
- Designed and created backend framework for the Internal Telemetry in C++ and C#
- Communicated and worked directly with the client to provide a great product

EducatAR

January 2019

- Competed in SpartaHack V and won four awards
- Worked cooperatively and effectively with students I met at the event
- Developed an application which adds augmented reality to flash cards
- Designed and implemented an iOS application which is integrated with Google's Firebase

Evolution with Rock Paper Scissors

January 2017 – May 2017

- Modeled survival of the fittest using organisms that play Rock Paper Scissors
- Created a visualization of the running program in Processing
- Showcased the application at Michigan State UURAF 2017

Other Involvements

Volunteer Young Life Leader

August 2016 – Present

- Leader at East Lansing High School
- Plan weekly clubs and events
- Mentor to students
- Play guitar and run games