

Alec Rospierski

586-306-0745
asrospie@mtu.edu

Michigan Technological University
BS Software Engineering
GPA: 3.86

Houghton, MI
Expected Graduation: Spring 2021
Class Standing: Senior

PROFESSIONAL EXPERIENCE

Fiat Chrysler Automobiles - Auburn Hills, MI

June 20-Aug 20

All Data Application Development Intern

- Implemented new features on the All Data Application website using ReactJS allowing users to view live data from their/company vehicles
- Created a Beta Feature notifying users when they left their windows down in the rain using AWS Lambda

College of Computing Learning Center - Michigan Technological University

Sep 19-May 20

Student Academic Mentor and Coach

- Mentored students in *Programming at the HW/SW Interface* specifically helping with coursework related to the C and MIPS programming languages
- Tutored students in Computer Science courses such as Data Structures, Discrete Structures, and the introduction programming classes

Center for Technology and Training - Houghton MI

Nov 18 - Sep 19

Software Engineering Intern

- Reconstructed enterprise web tool using AngularJS, C#, and HTML allowing MDOT access to MERL
- Implemented UI and server feature requests for Roadsoft and MERL from user feedback

Husky Game Development Enterprise

Sep 18 - May 19

Programmer

- Developed Cyberfunk, a Rogue-Lite video game for the PC using the Unity Game Engine
- Implemented C# scripts that created powerups, equipment spawns, and enemy AI/tracking

TECHNICAL SKILLS

- Javascript, ReactJS, Python, HTML, CSS, Java, C, MySQL C#, MIPS Assembly, and PHP

EXTRA CURRICULAR

Triangle Fraternity - Michigan Technological University

Dec 19 - Present

President

- Proposed and implemented bylaw changes to financial structure to better suit the Fraternity
- Streamlined our weekly General Meeting, making them more efficient and impactful for the Brotherhood

Vice President of External Affairs

Dec 18 - Dec 19

- Coordinated with External Relations Committee and to maximize Chapter campus involvement
- Managed Chapter involvement on campus through Homecoming, Greek Week, and Winter Carnival Statue

Recruitment Chair

Jan 18 - Dec 18

- Directed recruitment events to promote membership and values and introduce new members
- Increased membership by 40% by developing innovative recruitment strategies

Open Source Club - Michigan Technological University

Sep 18 - May 19

Secretary

- Presented information session teaching new students how to use Git and GitHub
- Trained students in the fundamentals of Python including object oriented programming

HONORS AND AWARDS

- Dean's List : Fall 2017 - Present (4.0 in Fall 2018 & Fall 2019) - Michigan Technological University
- Certificate of Merit for Statistical Methods - Michigan Technological University
- Certificate of Merit for Calculus with Technology II - Michigan Technological University
- Scholars of Excellence Scholarship - Michigan Technological University