

Michael Ewers

Software Engineer

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Denver, CO, United States

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EDUCATION

B.S. Computer Science

Northern Arizona University

08/2015 – 05/2020

Flagstaff, AZ

WORK EXPERIENCE

Student Software Engineer

Soundscapes2Landscapes

08/2019 – 05/2020

Flagstaff, AZ

A company funded by NASA looking to learn and understand more about Biodiversity changes through Analyzing audio recordings

Achievements/Tasks

- Consulted with clients to determine necessary requirements for Web application software system.
- Sped up manual sound analysis process with automation using machine learning models.
- Team designed and built web application with Python, Flask, Node.js, and React Stack.
- Delivered and deployed final web application and standalone application product to clients with satisfaction.

"WorkClock" Echo Skill Developer

XTechC - Amazon Skill Store

04/2018 – 06/2018

Flagstaff, AZ

Small company looking to deploy excellent tech solutions to customers

Achievements/Tasks

- Collaborated with Client to build and deploy an Amazon Echo Skill with Python and AWS Services.
- Consulted with Client weekly to further determine proper Functional and Non-Functional Requirements.

"QuickFit" Echo Skill Developer

CreativeDevvers - Amazon Skill Store

01/2017 – 02/2018

Santa Fe, NM

Solely Developed

Achievements/Tasks

- Solely built and deployed an Amazon Echo skill with Python and AWS services: DynamoDB, Lambda, S3, and CloudWatch.
- "QuickFit" Skill received 2100 Individual users within 3 months of being deployed to Amazon Skill Store.

SKILLS

Java	<div><div></div><div></div><div></div><div></div><div></div></div>
Python	<div><div></div><div></div><div></div><div></div><div></div></div>
AWS Services	<div><div></div><div></div><div></div><div></div><div></div></div>
Flask/React	<div><div></div><div></div><div></div><div></div><div></div></div>
Ruby	<div><div></div><div></div><div></div><div></div><div></div></div>
Swift	<div><div></div><div></div><div></div><div></div><div></div></div>

PERSONAL PROJECTS

Personal Website (04/2020 – 05/2020)

- Created a static website using Github Pages to display information about me.
- Configured React hash router to display multiple pages on static website.
- Built with React and many interactive and animated driven libraries to create a unique user experience

"Bakers" Parallel Program (10/2019 – 11/2019)

- Created a simulation program in C using POSIX threading to further understand parallel programming concepts
- Created a thread safe environment for all threads to access, manipulate, and print a result without receiving Race Conditions.

Advanced Game Automation (03/2020 – 04/2020)

- Produced automation to simulate human interaction within a game using Java.
- Using OOP design to create multiple tasks for automation to complete.

ORGANIZATIONS

NAU Esports (01/2018 – 05/2020)

Co-Creator of the Rainbow 6: Siege Branch of NAU's Esports Club.

INTERESTS

Hiking

Camping

Ski/Snowboarding

Ceramics

Competitive Gaming