

# Alexander Mechler

## Software Engineer

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## Education

### Rochester Institute of Technology

BS Software Engineering

May '21

GPA: 3.7

## Experience

### Datto

Incoming Software Engineering Intern June '18

### FRC Team 1126

Lead Software Engineer

Jan '13 - June '16

- Lead a team of 5 students in the development of a robotics control system in 6 weeks
- Managed the team GitHub
- Communicated with the mechanical and electrical teams to discuss new requirements, clarify use, and update progress

## Activities

### Humans Vs Zombies

Website Chair

Jan '18 - Now

Maintained the club website used to run the weeklong, campus wide game played by 300-700 players

Maintained stack of Ember-NodeJS-SQL

### Society Of Software Engineers

Member

Aug '16 - Now

## Projects

### Player-Tracker

Jan '18 - Now

- Clientless bot for the game *Realm of the Mad God*
- Tracks a user defined list of players as they move across various in-game servers and realms
- Alerts users in game of updates, as well as providing updates on demand
- Maintains 20+ connections with the game to ensure 100% server coverage
- Built in NodeJS

### Realm Tracker

Jan '18 - Now

<https://github.com/alex-mechler/realm-tracker>

- Realm Tracker is a client-sided drop tracker for the game *Realm of the Mad God*
- Simple, clean UI for ease of use without interrupting game play
- Modular design allows for easy updates to correspond with game updates
- Built with Ember and Bootstrap

### TripMeBaby

Jan '18

<https://github.com/cms2146/TripMeBaby>

- Worked in a team of 4 to make an Alexa Skill and Web App to give activity recommendations for users based on a variety of parameters
- Developed the Alexa Skill as well as the common backend for both interfaces
- Wrote a RESTful API in NodeJS using Express to interface and process data from the Google Places API

## Skills

### Languages

Java, Python, Ruby,  
Javascript, Typescript, C

### Frameworks

NodeJS, Bootstrap, Flask,  
Django, JQuery, Alexa Skills

### Tools

Sublime3, Git, Github,  
SVN, Heroku, AWS Lambda,  
Redis, SQL, SQLite