ALEXANDER MECHLER

SOFTWARE ENGINEER

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Skills

LANGAUGES

Java
PHP
Python
JavaScript
Ruby
C

DATABASES

Redis
SQLite

FRAMEWORKS

Symfony
NodeJS
Ember
Flask
Django
jQuery
Spark

TOOLS

Git
Github
Sublime3
Gitlab
PHPStorm

Education

Rochester Institute of Technology
Software Engineering B.S. 2020
GPA: 3.65 / 4.0

Experience

Datto   June 2018 to August 2018
Norwalk, CT
Software Engineering Intern

- Developed software for 70000+ business continuity and disaster recovery devices
- Protected 200000+ partner machines from ransomware and other threats to their business
- Developed incremental backups and recovery of Windows ACLs to Linux based backup devices
- Worked in PHP with the Symfony framework and JavaScript

First Robotics Competition Team 1126 - SparX   January 2013 to June 2016
Lead Software Engineer

- Lead a team of approximately 5 software engineers from inception to development to debugging of a robotics control system in 6 weeks
- Managed team's GitHub and git repositories
- Quickly implemented fixes and features at competitions
- Projects were written in Java using the WPILib framework
- Communication with other teams working on the mechanical and electrical portions of the robot was frequent to discuss new requirement, clarify use, and update progress

Projects

HvZ Site - https://github.com/redxdev/hvzsite   January 2018 to Current

- Website that controls the weeklong games for the Humans Vs Zombies @ RIT club
- Manages time based postings of nightly missions
- One time use code system for in game rewards and cosmetics
- Moderation and Administration tools built into the web UI
- Integrated with Google for authentication
- Built on NodeJS and Ember

Sprint Report Generator   June 2018 to August 2018

- Internal web-based tool for SCRUM masters
- Fetched user stories and related information from JIRA to generate sprint kickoff and retrospective documents
- Worked for both current and old sprints
- Built-in configuration editor to allow easy adjustments and adding of new teams
- Integrated with Google Docs to fetch historical sprint data
- Saved SCRUM masters 1+ hour per report, 10+ times a week
- Built with a JavaScript front-end and PHP back-end

Activities

Humans Vs Zombies   January 2018 to Current
Website Chair

- Maintained and developed new features for the hvz.rit.edu website
- Helped run weeklong games with 500+ players
- Helped run invitational games for players from RIT and other schools

Society of Software Engineers   August 2016 to Current
Member