



Joseph Agnelli

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EDUCATION

Rochester Institute of Technology, Rochester NY Expected May 2020
Bachelors of Science in Web & Mobile Computing and in Human Centered Computing
Immersion in Computational Linguistics
GPA: 3.75
Achievements: Dean's List all semesters
Organizations: RIT Rock Climbing Team member, student ambassador
Programming Languages: Java, JavaScript, PHP

PROJECTS

FlyBy

FlyBy is a hybrid mobile app developed using Ionic. The app allows you to take a picture of a flyer and automatically add the event that the flyer is advertising to your calendar. This app uses both the Google Cloud Vision API and the Google Cloud Text Analysis API to parse text from an image, determine what that text represents, and add the event accordingly.

NEAT

Over the course of a few days, I created a java program which trains a neural network how to play a game I made using neuroevolution of augmenting topologies. I developed the project on my own as an opportunity to teach myself about machine learning.

ShootEmUp

Worked with a team of 4 students to create a third person shooter game using Java. Multiple players connected to a multithreaded server and used keyboard and mouse controls to move and shoot. Initially planned to create a turn-based game (like chess) but switched to a real-time game to create more of a challenge.

Over The Moon

Started developing a website to allow users to catalog and share their own bouldering problems at a local climbing gym. Worked on this project for a few weeks, designing the user interface and the database schema. The project was eventually canceled when it was found that most climbers would prefer to use a pen and paper kept by the wall, rather than use an app on their phone.

WORK EXPERIENCE

PatientKeeper, Waltham MA

Software Engineer Co-op

May 2018 - Present

- Native Android Development
- Work in an Agile environment
- Design and develop production-level solutions for software enhancements.
- Debug code developed by other engineers.

Rochester Institute of Technology, Rochester NY

Teaching Assistant (Java and Foundations of Mobile)

Spring 2017, Spring/Fall 2018

- Assisting the professor in instructing the students
- Providing additional support, tutoring students