Joseph Agnelli

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Portfolio: agnelli.xyz

EDUCATION

Rochester Institute of Technology, Rochester NY   Expected May 2020
Bachelor's of Science in Web & Mobile Computing and in Human Centered Computing
GPA: 3.75
Achievements: Dean's List all semesters
Relevant Courses: Java 2, Foundations of Mobile, Client Programming, Server Programming, Database Connectivity and Access, Software Engineering Principles and Patterns
Organizations: RIT Rock Climbing Team member, student ambassador

SKILLS

Programming Languages: Java, JavaScript, PHP
Development Frameworks: scrum

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.

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