Joseph Agnelli

(603)-707-6626
jxa4717@rit.edu
Portfolio: agnelli.xyz

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: 3.79
Achievements: Dean's List all semesters
Organizations: RIT Rock Climbing Team member, IST student ambassador
Programming Languages: Java, JavaScript, PHP, MySQL, SQLite

WORK EXPERIENCE

Android Software Engineer Co-op/ Contractor: PatientKeeper — Waltham, MA
Java, SQLite, JavaScript, Material Design Lite — May 2018 - Present

• Collaborate with a team to produce native Android applications that are used by 100+ physicians and impact
the lives of thousands of patients.
• Work in a Scrum environment to design and develop production-level solutions for software enhancements.
• Work with an existing codebase to update existing features, and debug legacy software.
• Served as full-time co-op during Summer 2018, while continued as part-time contractor during academic semesters

Teaching Assistant — Spring 2017 - Present
Rochester Institute of Technology — Rochester, NY
Java, JavaScript

- Work with students to communicate fundamentals of Java and mobile development.
- Act as a liaison between the professor and the students.

PROJECTS

FlyBy

- Hybrid mobile applications designed to allow users to add an advertised event directly to their calendar.
- Utilized Ionic to create both Android and IOS apps simultaneously.
- Integrated support from the Google Cloud Natural Language, and Vision APIs to parse relevant data.

NEAT (Personal Project)

- Rapidly developed a custom neural network to train using the NEAT (neuroevolution of augmenting topologies) algorithm.
- Utilized native Java to implement both the game, and the AI which was trained to play it.

ShootEmUp

- Led a team of 4 students to create a multiplayer real-time game using Java.
- Integrated reliable software engineering patterns, like event listeners and the proxy pattern, to expediate development and increase maintainability and extensibility.