

John J. Rivera

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Education

- may 2016 **BS Computer Science**, *Rochester Institute of Technology*, Rochester, NY, *GPA: 3.7*.
Minor: Software Engineering
- dec 2013 **AS Computer Science**, *Nassau Community College*, Garden City, NY, *Magna cum Laude*.
Phi Theta Kappa International Honor Society

Relevant Coursework

- computer science Mobile Application Development, Data Management, Parallel & Distributed Systems, Algorithms, Aspect-Oriented Programming, Functional Programming, Computer Security
- software engineering Engineering of Software Subsystems, Project Management, Software Testing, Real-Time & Embedded Systems

Projects

- ongoing **SubjectJ**, *Independent Study*, Computer Science.
An API for weaving Java class files by manipulating Java bytecode. Planned future work include building a parser for a subject-oriented extension to the Java programming language that makes use of this API.
- completed **FPTS**, *Engineering of Software Subsystems*, Software Engineering.
A financial portfolio management application based on JavaFX emphasizing MVC and design patterns.

Core Technical Skills

Proficient With

- languages Java, JavaScript, Haskell, Python, SQL
- technologies AspectJ, Eclipse, jQuery, JSON, Git, Guice, Maven, MySQL, Node.js, PostgreSQL, Shell Scripting, XML

Have Experience With

- languages Assembly, C/C++, C#, \LaTeX , Lisp, Matlab, Prolog, PHP, Swift
- technologies Amazon Web Services (Amazon Redshift, Amazon SQS, Amazon S3), Android SDK, AngularJS, Apache, Django, Express.js, GTK, GWT, Grunt, JavaFX, JIRA, Jenkins, JUnit, Log4J, Mockito, NetBeans, OpenCV, Tomcat, Spring, Subversion, Swing, .NET

Experience

- aug 2015 **Resident Advisor**, *Rochester Institute of Technology*, Rochester, NY.
- to may 2016 Resident advisor at the residence halls at the institute.
- Advised 26 residents in the residence halls, assisted and supported residents with personal and interpersonal issues, directed residents to resources on campus and encouraged resident engagement, inclusion, student success and wellness.
 - Collaborated with other Resident Advisors on community development events, developed floor programs to promote a sense of community.
- jan 2015 **Software Engineer Co-op**, *EagleDream Technologies*, Rochester, NY.
- to jul 2015 Worked with a team developing the EagleDream Health medical records analysis web application.
- Developed a module to extract, transform and load data from existing electronic health record systems into database for analysis using Java and Amazon Web Services.
 - Worked on the middle and front end of an electronic records analytics web application based on Java, Spring and AngularJS

- summer 2014 **Undergraduate Research Assistant**, *Rochester Institute of Technology*, Rochester, NY.
Worked as a research assistant to a professor researching accessible technologies for the deaf.
- Researched methods of improving accessibility to deaf students in the classroom using technology.
 - Developed a prototype browser-based captioning system for the classroom using JavaScript, Python, Node.js and Socket.io.
- spring 2013 **Undergraduate Research Assistant**, *Nassau Community College*, Garden City, NY.
Worked with students and faculty on the MouseTrap project with the GNOME Accessibility Team.
- Analyzed and inspected existing Python code, which had few comments and almost no documentation, and wrote documentation and software requirements specifications.

Additional Education

- may 2010 **JD**, *University of California, Hastings College of the Law*, San Francisco, CA.
Intellectual Property Concentration
Pro Bono Society
- may 2007 **BA History & Philosophy**, *Gallaudet University*, Washington, DC, *Summa cum Laude*.
Phi Alpha Pi Scholastic Honor Society