

Jesse A. Freitas

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EDUCATION:

Rensselaer Polytechnic Institute, Troy, NY
B.S. in Computer Science, GPA: 3.64
Minor in Sustainability Studies

Fall 2012 – May 2016 (Anticipated)

RELEVANT COURSEWORK:

- Interactive Visualization **Fall 2014**
- Natural Language Processing with Watson **Spring 2014**
- Network Programming – *TCP/IP programming using sockets, inter-process communication* **Spring 2014**
- Operating Systems **Spring 2014**
- Computability and Complexity – *Focus on decidability and computational complexity* **Fall 2013**
- Introduction to Algorithms **Fall 2013**
- Introduction to Data Structures **Fall 2012**

EXPERIENCE:

Software Engineering Intern, ViaSat Inc., Marlborough, MA **Summer 2014**

- Working in a team of three interns to develop components of a web application using Node.js to replace a desktop client for managing and visualizing network encryption devices.
- Using existing code base, developed common components that can be used to extend this web application to other projects.

Software Developer, Rensselaer Center for Open-Source Software **Fall 2012 - present**

- Lead a team of five developers for a server that grades more than 300 Computer Science students' homework
- Currently developing a native app for managing GitHub repository issues for the Windows Store.

Engineering Intern, Jacobs Technology Inc., Lincoln, MA **Summer 2012, Summer 2013**

- Acquired Government Clearance
- Researched, configured, and integrated a compliance auditing system into existing theatre deployable communication systems including virtualization using VMware software.

LEADERSHIP:

Undergraduate Teaching Assistant **Fall 2013 - present**

- Facilitated lab periods for Computer Science 1 students at RPI (CSCI 1100)
- Verified assignments were completed and helped students troubleshoot bugs
- Hold office hours for help with homework

Project Lead, Active Member, Engineers Without Borders RPI **Fall 2012 - present**

- Travelled to Panama and lead travel team in testing water supplies and confirmed results in Albany, NY
- Researched, and presented results of research to project team regarding first flush water systems

SKILLS:

- Significant experience with Java, C++, C#, C; Basic knowledge of Python;
- Experience using web technologies such as Backbone.js and Node.js;
- Experience using VMware technologies such as VMware Workstation;
- Socket Programming and Linux Programming;
- Knowledge of Linux OS, Windows 7, Windows 8;

AWARDS:

- Founders Award of Excellence **Fall 2014**
- Dean's List **Fall 2012-present**
- Rensselaer Leadership Award **Spring 2012**
- Armed Forces Communication and Electronics Association Boston Student Fellowship Award **Spring 2012**