

# Jeffrey Wallace

2 Iroquois St Apt 1 ♦ Boston, MA, 02120 ♦ 484-678-9948 ♦ wallace.je@husky.neu.edu

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## EDUCATION

**Northeastern University**, Boston, MA

Candidate for a Bachelor of Science in Computer Science and Physics

May 2016

*Honors:* Honors College, Dean's Scholarship, Dean's List,

**GPA:** 3.92/4.0

Lawrence Award for Undergraduate Academic Excellence in Physics

*Courses:* Software Development (Graduate), Object Oriented Design, Algorithms and Data, Electrical Engineering, Thermodynamics and Statistical Mechanics, Optics, Modern Physics, Calculus

*Activities:* ACM, NUhacks, Relay For Life Planning Committee (Chair), Intramural Hockey and Soccer

## TECHNICAL KNOWLEDGE

*Languages:* Java, Python, C++, C, HTML, CSS, Javascript, LISP, Unix Shell Scripts

*Systems:* Mac OS X; Windows XP, Vista, 7; Linux; Unix

*Tools:* Ant, Maven, NetBeans, Eclipse, Jenkins CI, Subversion, git, AutoCAD, SolidWorks

## EXPERIENCE

**Charles River Analytics**, Cambridge, MA

July 2014-Present

Software Engineering Co-op, Decision Management Division

- Worked on a team of software engineers and scientists developing a software solution for a government customer using Scrum methodologies.
- Implemented an extensible machine learning algorithm to provide search recommendations based on semantic similarity of concepts and query co-occurrence.
- Designed and developed a collection of RESTful web services in Java using Jersey.
- Constructed a web-based UI from an existing design and utilized the jQuery JavaScript library's plugin system to build flexible, reusable UI components.

**Basis Technology Corporation**, Cambridge, MA

July 2013-December 2013

Digital Forensics Co-op

- Contributed bug fixes and development tasks to open source digital forensics application written in Java.
- Developed plug-in modules for file analysis and reporting using the NetBeans Rich Client Platform and Swing.
- Refactored python regression test scripts and implemented automated nightly testing using Jenkins CI.
- Prepared demonstration software for potential customers using software components from another internal team.
- Tested application on new platforms to prepare for distribution, including Mac OS X, Linux, and 64 bit Windows.

**College of Computer and Information Sciences**, Northeastern University

September 2012-June 2014

Peer Tutor for Discrete Structures, Logic and Computation, Upperclassman Tutor

- Reviewed course content with groups of students using examples and answered questions about assignments.
- Held office hours open to all students in the college to provide homework support, especially for the classes Object Oriented Design and Algorithms and Data.
- Graded and reported scores for homework assignments, quizzes, and exams.

## PROJECTS

**Autopsy**, Java (<http://github.com/sleuthkit/autopsy>)

- Open source digital forensics application developed by Basis Technology Corporation. Provides a Graphical User Interface over The Sleuthkit command line suite of tools. Contributions made with the username jawallace.

## INTERESTS

Space Exploration and Technology | Futurology | Artificial Intelligence | Volunteering | Ice Hockey