

# Jack Frysinger

**Local:** #4808, 480 Rear Parker Street, Boston, MA 02115

**Permanent:** 59 Obed Heights, Old Saybrook, CT 06475

**LinkedIn:** linkedin.com/in/jackfrys

**Available:** January - June 2016

**GitHub:** github.com/jackfrys

## Education

### Northeastern University - College of Computer and Information Science

Boston, MA

*Candidate for Bachelor of Science in Computer Science - GPA: 3.85/4.00*

*Expected May 2018*

- **Honors:** Dean's List, University Honors Program
- **Related Courses:** Fundamentals I & II, Object-Oriented Design, Computer Systems, Discrete Structures, Logic and Computation, Algorithms and Data, Theory of Computation, Calculus II, Linear Algebra, Probability and Statistics
- **Activities:** NUHacks, Association for Computing Machinery, CCIS Peer to Peer Mentor, Summer 2015 Dialogue of Civilizations trip to central Europe (courses: Fascist Propaganda and Human Rights, Human Rights Communication)

### Old Saybrook High School

Old Saybrook, CT

*GPA: 102.42/100 - Rank: 3/133 - SAT: 2300*

*June 2014*

- **Advanced Courses:** Advanced Placement (AP) Chemistry, AP Computer Science, AP Calculus AB, AP Statistics, University of Connecticut ECE General Physics, AP Language, AP Literature, AP U.S. Government & Politics
- **Activities:** National Honor Society, Marine biology research trip to Utila, Honduras, 230+ volunteer hours

## Computer Knowledge and Projects

**Programming Languages:** Proficient - Java (3 years), Python (2 years) **Learning** - Swift, HTML/CSS, JavaScript/jQuery

**Software:** OS X, Windows, Microsoft Office, Apple iWork, Adobe InDesign, Git source control, L<sup>A</sup>T<sub>E</sub>X

**Hot + Cold:** Navigates user to a random destination in the area using warmer and colder directives. Initially developed at HackBeanpot in February 2015. Won prize for Most Fun Idea. Available on the iOS App Store.

**Mazes:** Developed for Fundamentals II. Builds mazes using Kruskal's algorithm and the union-find data structure. Solves mazes using BFS and DFS.

## Experience

### Northeastern University - College of Computer and Information Science

Boston, MA

*Tutor for Fundamentals I*

*September 2015 – present*

- Hold weekly office hours to assist students with homework completion and exam preparation
- Monitor weekly student laboratory sessions and assist students with projects
- Grade student homework and provide feedback

### United States Coast Guard Academy

New London, CT

*Software Developer*

*June 2014 – August 2014*

- Developed software to automate scientific instrument control, including analog/digital I/O, thermocouple sensors, valves, and gas flow controllers
- Employed Python 3.4 for development and the Tkinter package for user interface design

### Old Saybrook Public Schools District Technology Committee

Old Saybrook, CT

*Student Representative*

*December 2011 – June 2014*

- Provided student perspective to administrative committee tasked with deploying technology services and products to faculty and students in the K-12 school district
- Researched relevant services and products (e.g. Google Apps for Education, Apple Volume Purchase Program) and prepared to answer administrators' questions
- Advocated for faculty and student needs

### Little League Baseball and Softball

Old Saybrook / Old Lyme, CT

*Umpire*

*April 2009 – June 2014*

- Facilitated timely, safe, and rule-abiding gameplay while settling disputes among players and coaches

### Technology Tutorials for Seniors

Old Saybrook, CT

*Technology Tutor*

*Summer of 2012 & 2013*

- Met with senior citizens to troubleshoot and explore tech devices
- Improved technical dexterity among local senior citizens

## Extracurricular Activities and Interests

**Journalism and Writing:** Editor of high school newspaper and literary magazine; accepted to Yale Daily News Summer Journalism Program, August 2013; received Brown University Book Award, May 2013

**Music:** Alto, tenor, and baritone saxophone player in jazz, concert, and musical pit band

**Scouting:** Eagle Scout, September 2013; Bronze Eagle Palm, January 2014