

# Jack Fryinger

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

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## 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

- **Minors:** Mathematics and Communication Studies
- **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 (4 years), Python (3 years) **Learning** - Swift

**Software:** OS X, Windows, Microsoft Office, Apple iWork, Adobe InDesign, Git/GitHub, Gradle, IntelliJ IDEA, 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

### Apple, Inc. - Siri Domains

Cupertino, CA

Software Development Intern

January 2016 – July 2016

- Prototyped a set of future Siri features using professional software development and testing tools
- Created user flows that respond to natural language user input by presenting information from external data sources
- Collaborated with cross-functional teams to gather design input, data sources, and operational guidelines
- Delivered a conceptual and technical presentation to senior management to secure additional engineering and support resources, allowing prototype expansion into a feature for future release

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

Boston, MA

Tutor for Fundamentals I

September 2015 – December 2015

- Held weekly office hours to assist students with homework completion and exam preparation
- Monitored weekly student laboratory sessions and assisted students with projects
- Graded student homework and provided 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

## 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