CAROLINE JAFFE

18 Amory St. #2L ◇ Cambridge, MA 02139
415 260 3174 ◇ cjaffe@media.mit.edu ◇ www.cajaffe.com

EDUCATION

MIT - S.M. Candidate & Graduate Research Assistant April 2015 - present
Social Computing Group, MIT Media Lab
Advisor: Sepander Kamvar

Yale University - B.S. in Computer Science & Electrical Engineering Received May 2013
Graduated Cum Laude, with Distinction in the Major
GPA: 3.89 / 4.00 (within major); 3.85 / 4.00 (overall)

Technical classes: *Data Mining and Machine Learning, Circuits and Systems Design, Data Structures and Programming Techniques, Linear Algebra with Applications, Systems Programming and Computer Architecture, Design and Analysis of Algorithms, Intelligent Robotics, Digital Systems, Artificial Intelligence*

TECHNICAL EXPERIENCE

Fitbit - Software Engineer August 2014 - April 2015
Boston, MA
As part of Fitbit's E-Commerce team, which is responsible for processing and handling shipments to millions of customers, I completely refactored and automated the messaging protocols used to communicate with warehouses and track inventory in Fitbit's internal ERP system.

The Fulbright Program - Research Fellow September 2013 - June 2014
Delft, Netherlands
Collaborated with researchers at Delft University of Technology on a self-designed, data-driven research project where I applied machine learning techniques to social media data to understand what motivates cycling behavior.

Google - Software Engineering Intern May 2012 - August 2012
Mountain View, CA
Designed and developed a consistent, intuitive end-to-end implementation of Basemap styling for Maps Engine, a Google Maps web application that allows users to display, analyze and share geographical data.

Yale Social Robotics Lab - Research Assistant January 2012 - May 2013
New Haven, CT
Worked with Professor Brian Scassellati to develop algorithms for social hierarchical learning; designed, implemented and carried out a study to test perceptions of an out-group member in increasingly large group sizes.

Microsoft - Explore Intern May 2011 - August 2011
Redmond, WA
Worked closely with two other interns to design, implement and test features for Windows MultiPoint Server.

Reed Electrical Engineering Lab - Research Assistant June 2010 - August 2010
New Haven, CT
Worked with Professor Mark Reed to develop microfluidic nanosensor devices to detect biomarker particles.

Yale Student Technology - Residential Student Tech January 2010 - January 2013
New Haven, CT
Provided individualized hardware and software support; educated students about safe Internet practices.

LEADERSHIP

MIT Transportation Club - Co-President June 2015 - present
Cambridge, MA

As co-president of the Transportation Club, I am responsible for aggregating and disseminating information about transit-related news and professional opportunities, and overseeing a transportation speaker series, conference, and research showcase.

Cambridge Bicycle Committee - Member April 2015 - present
Cambridge, MA
The Cambridge Bicycle Committee works to improve conditions for bicyclists and promote bicycling as a means of transportation. Committee activities include: reviewing city construction plans, commenting on pending bicycle-related ordinances, and organizing and participating in public events.

Force Elektro Women's Ultimate Frisbee - Captain October 2013 - June 2014
Delft, Netherlands
Oversaw the creation of and guided the competitive, athletic and social development of the first ever Women's Ultimate Frisbee team in Delft.

Yale Women's Ultimate Frisbee - Captain May 2012 - May 2013
New Haven, CT
Oversaw the competitive, athletic and social development and well-being of the team. Previous roles held: Webmaster, Alumni Coordinator, and Recruitment Chair (2009 - 2012).

Yale Bootstrap - Co-Founder & Events Director September 2011 - January 2013
New Haven, CT
Helped foster campus interest in technology, start-ups and programming by organizing speakers, hackathons, hack nights, and workshops on practical programming; acted as liaison for tech companies who recruit on campus.

AWARDS & HONORS

Usability Award November 2014
Generation Citizen Civic Tech Challenge
My team and I built a web application to empower teenagers to engage in politics and civic activity; we won the Civic Tech Challenge Usability Award for ease of use, intuitiveness, and appeal to a young generation of users.

Dutch National Women's Ultimate Frisbee Team December 2013 - June 2014
Netherlands National Frisbee Association
During my time in the Netherlands, I was selected for the Dutch National Women's Ultimate Frisbee Team; I participated in a months-long training regimen and attended several international tournaments with the team.

Fulbright Research Fellowship September 2013 - June 2014
Fulbright U.S. Student Program
Highly competitive national grant awarded for carrying out year-long, independently designed research project on bicycle commuting in the Netherlands.

Perspectives on Science and Engineering September 2009 - August 2010
Yale College
Competitive academic program for freshman at Yale that consisted of weekly research talks, discussion groups and funding to carry out supervised research in a Yale engineering lab.

Selected Awards:
Presidential Scholar Semi-Finalist (2009), National Merit Finalist and Scholarship Winner (2009), National AP Scholar Award (2009), Cum Laude Society (2009), NCWIT Award for Aspirations in Computing (2009)

SKILLS & INTERESTS

Software	Java, JavaScript, R, Python, C, GIS, HTML, CSS, Unix
Hardware	Arduino, ARDrone Parrot quadcopter, PIC microcontroller, basic woodworking and welding
Interests	Ultimate Frisbee, bicycling, backpacking, farmer's markets, international education