

Brian Guggenheimer

370 Lancaster Avenue, Haverford, PA 19041

914-584-2655 | bguggenh@haverford.edu | brianguggenheimer.co.nf

EDUCATION

HAVERFORD COLLEGE, Haverford, PA Anticipated Graduation, May 2016
Major: Computer Science, GPA: 3.5
Coursework: Intro to Computer Science, Data Structures, Discrete Mathematics, Principles of Programming Languages, Data Science, Mobile Development, Theory of Computation, Compiler Design

INSTITUTE FOR THE INTERNATIONAL EDUCATION OF STUDENTS, Rome, Italy September 2014 – December 2015

RELATED EXPERIENCE

Software Development Engineer, AMAZON WEB SERVICES, Seattle, WA Summer 2015
Built a feature-complete, scalable auditor on Hadoop to verify more than 80 million records every hour.
Replaced failing spot-check auditor and reduced runtime needed from 24 hours to 8 minutes (-99.5%).

Android/Glass Developer, FRIEDLER RESEARCH LAB, Haverford College Summer 2014
Developed an Android application on that uses computer vision to instantly grade multiple-choice tests in a team of two. Ran usability tests and iterated on UX design. Drove the project from prototype to release.

Computer Science Tutor, OFFICE OF ACADEMIC RESOURCES, Haverford College Fall 2013 – Present
Recommended by the Computer Science department to be one of six tutors for CS students.

Core Services Intern, INSTRUCTIONAL INFORMATION & TECHNOLOGY SERVICES, Haverford College Summer 2013
Worked full time to improve the stability of the College's technological infrastructure.

Web Developer, FIG IS GOOD (FIG), Haverford College September 2012 – Present
Designed websites with other students to improve life at school. Launched 3 complete projects in 3 years.

RELATED SKILLS

Programming Experience: Java, Python, C++, Javascript, MySQL, Hadoop

OTHER EXPERIENCE

Youth Delegate, 14th WORLD SUMMIT OF NOBEL PEACE LAUREATES, Rome December 2014
Attended panels and workshops with Nobel Laureates to address current geopolitical issues.

Admissions Host, ADMISSIONS OFFICE, Haverford College Spring 2013 – Present
Chosen to greet visiting families in Haverford's admissions office and answer questions about the college.

HONOR COUNCIL, Haverford College September 2012 – Present
Librarian: Advise Honor Council on relevant precedent. Ensure it operates within its established bylaws.
Co-Chair: Coordinated and chaired academic and social trials involving allegations of cheating, theft, plagiarism, and harassment. Managed the training and outreach operations of Honor Council.
Co-Secretary: Automated the system for assembling juries, dramatically expediting jury formation.
Class Representative: Consented to send potential Honor Code violations to trial. Served on several juries.

ADDITIONAL COLLEGE LEADERSHIP, Haverford College Varied: September 2012 – Present
Administrative Advisory Committee Representative: Appointed as one of three students to provide input to the College's President and Senior Staff on the annual budget and other major business decisions.
Customs Person: Live among 18 freshmen to help them become accustomed to life as a Haverford student.
Dorm President: Served as elected liaison between more than 100 students and the Office of Residential Life.

Camp Counselor, CAMP ANDROSCOGGIN, Wayne, ME Summer 2012
Taught archery to more than 200 campers ages 8-15. Shared a bunk with and cared for six 11-year-old boys.

Corps Member, CITY YEAR NEW YORK, PS 48, Hunts Point, Bronx, NY August 2011 – June 2012
Served over 1700 hours with AmeriCorps National Service program at a high-need public school. Organized afterschool program in partnership with the Police Athletic League to serve more than 200 students.