

JASON HAAS

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EDUCATION

Haverford College, Haverford, PA

Mathematics Major, Computer Science Minor

Expected Graduation, *May 2016*

GPA: 3.58

Relevant Courses: Relational Database Design and Utilization (MySQL, Django)
 Speech Synthesis and Recognition (Python, Hidden Markov Models)

IES Granada, Spain Semester Abroad

January - May 2015

iXperience Summer Web Application Bootcamp

June 2015

Four week intensive course focused mastering Ruby, Rails, entrepreneurship and design

EXPERIENCE

OpenFn Intern- Junior Engineer/contributor

June - July 2015

Focused on user experience and webpage design/layout for the remodel of the services marketplace
Worked on the refactoring of the website from a Rails app to an AngularJS single page app with
specific tasks related to user authentication

Learned Agile (Scrum) methodology and pushed code live to production weekly through Heroku

Nourish the Planet Intern

May- July 2014

Built website for Hope For the Hopeless, the not-for-profit outreach branch of Nourish the Planet
Contributed to a number of small projects and tasks including management of social media
presence and outreach, bi-weekly webinars, and job outsourcing to local professionals

Computer Science Lab Grader

Sept. 2014-present

Graded labs for the introductory computer science classes

Math Question Center Resource Person

Sept. 2014-present

Assisted students in various mathematics classes with conceptual questions and homework problems

Customs Person

March 2013- May 2014

Trained extensively in communication, leadership, mediation, and problem solving
Volunteer position as leader and resource person for freshman orientation, and residential assistant
on freshman hall for the 2013-2014 school year
Co-headed a team of 8 members positioned to cultivate community building and to facilitate an
inclusive, constructive, and cohesive living environment

LEADERSHIP

Fords Against Boredom (FAB) Co-Treasurer

Oct. 2013-present

Managed budget of over \$20,000 dollars each semester

Men's Club Soccer Co-Captain

Sept. 2014-present

Club Badminton Co-Captain

Sept. 2013-present

SKILLS

By Proficiency: Python, Ruby on Rails, AngularJS, MySQL, Spanish, Git, Django, HTML, CSS

Github: Jasonbhaas

CODING PROJECTS

Chatable

June 2015

Created a website for students to learn languages through conversation with other students.

Functionality includes email login, custom profiles, matching users to others corresponding language learning desires, profile search, and direct messaging. Built using Ruby on Rails, frontend uses HTML, CSS, bootstrap, and a touch of AJAX. Code on Github (Jasonbhaas), Website at <http://chat-able.herokuapp.com/>

Registrar's Problem

Fall 2014

Group project to design an algorithm to solve the np-complete problem faced by the registrars office- given the desires of the student body and professors, assign courses to rooms and timeslots to create a schedule that minimizes the number of conflicts. We implemented a holistic approach, and used data from the Haverford Registrar to test numerous methods of programming, ultimately achieving best results with greedy algorithm. We explored the added value of potential changes, such as building new classrooms, and submitted our findings to the Haverford Registrar's office. Written in python. Code on Bitbucket (Jasonbhaas).

Seam Carving

Spring 2014

Designed an algorithm for image resizing that also preserves the integrity of the photograph (as opposed to scaling and cropping). Implementation involved assigning values to each pixel, utilizing dijkstra's algorithm to find paths of least importance, and removing them from the image. Written in Python.