

# Razi Shaban

rshaban1@swarthmore.edu | 610.999.6136

## EDUCATION

### SWARTHMORE COLLEGE

Expected May 2016 | Swarthmore, PA  
Linguistics and Computer Science  
Linguistics GPA: 3.925 / 4.0  
Computer Science: 3.62 / 4.0

### THE JOHN DEWEY ACADEMY

Grad. Aug 2012 | Great Barrington, MA  
President's Award for Individual Integrity  
and Academic Excellence  
Honors Diploma

### AMERICAN COMMUNITY SCHOOL

Grad. June 2010 | Amman, Jordan  
Candidate for the Presidential Scholarship  
National Merit Scholar  
SAT: 1600 / 1600  
ACT: 35 / 36

## COURSEWORK

### UNDERGRADUATE

Computer Science  
Programming Languages (CS091)  
Natural Language Processing  
Artificial Intelligence  
Algorithms  
Data Structures and Algorithms  
Intro to Computer Science (Grader)  
Linguistics  
Morphology and the Lexicon  
Psychology of Language  
Symbolic Logic  
Syntax  
Semantics  
Hebrew for Text Study I & II

## SKILLS

### PROGRAMMING

Over 5000 lines:  
Python • SAS  
Over 1000 lines:  
Pyret • C++ • JavaScript • PHP •  $\text{\LaTeX}$   
Familiar:  
SQL • Haskell • OCaml • VisualBasic

### LANGUAGES

English & Arabic native speaker  
French intermediate  
Biblical Hebrew elementary

## EXPERIENCE

### SWARTHMORE COLLEGE HELPDESK | CLIENT SERVICES ASSOCIATE

Fall 2012 - Present | Swarthmore College | Swarthmore, PA

- Assess and respond to computer, network, and device issues for students, faculty, and staff.

### TRICO HACKATHON 2015 | OVERALL WINNER: REPORTIT

January 2015 | Haverford College | Haverford, PA

- Over 48 hours, I developed ReportIt with two friends. ReportIt is an interactive web platform designed to fill the gap between people in power and the people they represent, making it easy for anyone to publicly report breakdowns in everyday life.
- ReportIt runs on Flask with Jinja2, SQLite, gmaps.js, and jQuery.
- Check out our Github repo at <http://rrshaban.github.io/ReportIt/>.

### NYU FURMAN CENTER FOR REAL ESTATE AND URBAN POLICY RESEARCH ASSISTANT

June 2014 - Aug 2014 | New York University | New York, NY

- Analyzed data from dozens of public and proprietary datasets to see how residents of public housing projects in New York City have fared over the past thirty years relative to their neighborhoods (pending publication).
- Used ArcMap, SAS, SQL, Python, and ModelBuilder.

### RESEARCH ASSISTANT

June 2013 - Aug 2013 | New York University | New York, NY

- Developed expertise in GIS for city- and state-wide data analysis using census and proprietary databases, including FEMA's NFHL and PWMs, see <http://bit.ly/FCResilience>.
- Learned SQL and SAS to convert database processing of the Center's SHIP project from SQL to SAS, see <http://bit.ly/FCData>.
- Automated the production of quarterly housing update reports by using Excel's Dynamic Data Exchange via SAS, see <http://bit.ly/FCQHRs>.

### ROBOTICS SUMMER PROGRAM, IVYBOUND TUTORING

#### LEAD INSTRUCTOR

July 2013 & July 2014 | Darien, CT

- Built the curriculum for beginner and advanced robotics courses for groups of 10- to 16-year-olds and led two sessions of these classes each summer.

### NYU INSTITUTE FOR POLICY INTEGRITY

#### RESEARCH ASSISTANT

June 2012 - Aug 2012 | New York University | New York, NY

- Conducted research for and edited The Globalization of Cost-Benefit Analysis in Environmental Policy, eds. Richard L. Revesz and Michael A. Livermore, Oxford University Press, 2013.

## EXTRACURRICULAR ACTIVITIES

President, Swarthmore Men's Rugby  
Varsity Track and Field  
Member, Housing Committee  
Peer Counselor, Speak2Swatties  
Page One Editor, The Phoenix (Spring 2014)  
Financial Policy Representative, Student Council (Spring 2013 - Spring 2014)  
Student Senate (Fall 2012 - Spring 2013)