

# Farida Sabry

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## EDUCATION

**Smith College**, Northampton, MA

B.S. in Engineering & B.A. in Computer Science, **expected** May 2018, GPA 3.7

→ *Relevant Courses:* Data Structures, Graphics, Algorithms, Web Programming

→ *Activities:* Founder of Maker Space, Tech & Design Chair of Smithies in CS, SWE member

## SKILLS

*Programming Languages:* Python, HTML5, CSS3, JavaScript, and Java

*Technologies:* Bootstrap, React JS, RiveScript, Blender, AutoCAD, Photoshop, and Git

## WORK EXPERIENCE

**Teacher Assistant**, Computer Science Department, Smith College Jan 2016—present

- Hold drop-in sessions to address questions about the course material (Intro to CS, Graphics), clarify homework assignments and help debug code (Python, JavaScript, WebGL)
- Assist professor with making quizzes, conducting surveys, and writing scripts to assess style

**Front-end Developer**, doc AI, NASA Ames Research Center Jul—Aug 2016

- Developed the pre-launch web page for doc AI, an early stage startup that's currently developing a medical intelligent agent
- Built a chatbot prototype using RiveScript that informs patients about their blood results and responds to questions relating to flags in their data and how they can improve their health

**Learning Assistant**, Physics Department, Smith College Sep 2016—Jan 2016

- Set up labs and assisted the professor during the intro physics classes by clarifying concepts, guiding students' thinking and bolstering their problem solving skills

**Intern**, Summer Science & Engineering Program, Smith College Jun—Aug 2015

- Assisted in teaching 'Designing Intelligent Robots', a class where I helped students construct LEGO robots, as well as build simple web pages to serve as daily documenting tools
- Developed a static page using HTML and CSS that I used as a demonstration for my students

## LEADERSHIP EXPERIENCE

**Teacher Assistant**, Girls Who Code, Smith College Chapter 2016—present

- Facilitate learning and assist instructors in creating an environment that's both fun & instructive for the students

**Instructor**, Introduce a Girl to Engineering Day, SWE Feb 2016

- Led a workshop on Scratch programming, where 16 girls produced involved team projects

**Mentor**, Girl Scouts' First Lego League Team, Smith College Jan—Dec 2015

- Met with the team regularly to teach them the intricacies of LEGO robotics and help them prepare for the FLL regional competition

## AWARDS

GHC Scholar, Anita Borg Institute for Women in Technology

2016

NeXXt Scholar, New York Science Foundation

2014—present

MEPI Scholar, US Department of State

2008—2014