Farida Sabry

fsabry@smith.edu faridasabry2 faridasabry 413-375-3705 faridasabry.com

EDUCATION

Smith College, Northampton, MA — Expected May 2018
B.S. in Engineering and B.A. in Computer Science, GPA 3.71
Relevant Coursework: Data Structures, Algorithms, Web Programming, Graphics, Assembly, Unsupervised ML

SKILLS

Programming Languages: **Java, Python**, HTML5, CSS3, JavaScript, C
Other: Amazon Web Services (S3, DynamoDB, SNS), Git, Scikit-learn, Linux, Bootstrap, AutoCAD, Photoshop

WORK EXPERIENCE

Design Clinic Team Member, *UTC Aerospace Systems*, Smith College — Sep 2017—present

- Design a statistical process control system to evaluate and improve process capability of manufacturing air bearings, which are integral parts in the AC systems used by Boeing and Airbus
- Implement the system and verify its effectiveness in eliminating defects

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

- Hold drop-in sessions to clarify assignments and help debug code (Python, Java, JavaScript)
- Assist professors with creating quizzes, grading labs, and writing practice midterm questions

Software Engineer Intern, *Audible*, Cambridge MA — Jun—Aug 2017

- Worked with the WhisperSync for Voice team, a team within Amazon which develops and maintains the technology that makes it possible to switch seamlessly between listening to and reading a book
- Developed the back-end of a joint end-to-end feature with two other interns for the Audible app

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

- Built a chatbot prototype that informs patients about their blood results and responds to questions relating to their overall health and medical history
- Developed the pre-launch web page and designed an interactive medical history

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

- Assisted in teaching 'Designing Intelligent Robots', a class where students constructed and programmed LEGO robots, all while documenting their journey on simple web pages they built

LEADERSHIP EXPERIENCE

Tech & Design Chair, *Smithies In CS*, Smith College — May 2016— present

- Maintain the club website and design promotional materials for events throughout the year
- Organize the annual hackathon, HackSmith, which brings together 200 students from various universities all over the North Coast, and develop the front-facing website and its assets

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

- Mentor 16 girls through the development of their first Python and Scratch projects

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

- Met with the team regularly to teach them the intricacies of designing and programming LEGO robots, as well as help them research and prepare for the FLL regional competition

AWARDS

DKSSF Scholar, *Diana Kamal Scholarship Search Fund*, AmidEast — 2014—present
GHC Scholar, *Anita Borg Institute for Women in Technology* — 2016
NeXXt Scholar, *The New York Academy of Sciences* — 2014—2016

INTERESTS

Arabic calligraphy, portraiture, LEGO robotics, collecting geeky stickers, and an obsession with owls