

ALEXANDRA BUSH

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RELEVANT COURSEWORK

Data Structures
Algorithms
Databases (DBMS)
Systems Software
Operating Systems
Computer Organization
Computer Architecture
Discrete Mathematics
Formal Methods of CS
Applied Statistics
Calculus 1 & 2
Quality Assurance*

**in progress Fall 2016*

SKILLS

Java
C
git
Axure
Agile PM
JIRA
Photoshop
Lightroom
Non-fiction writing

HONORS & AWARDS

University Scholar
Pitt Honors College
February 2016
Top 2% of Juniors

Dean's List
University of Pittsburgh
Fall 2013 - Spring 2016
Term GPA of >3.5/4.0

Best Research Poster
Pitt CS Department
March 2015

First Place Logo Design
Women in CS Club
April 2015

EDUCATION

University of Pittsburgh

Expected Graduation December 2017

BS, Computer Science
BA, Philosophy
Minor, Studio Arts
Cumulative GPA 3.88/4.0

EXPERIENCE

Undergraduate Teaching Assistant

University of Pittsburgh, August 2016 - Present

- Teach weekly labs for an intermediate Java programming class.
- Develop lesson plans, grade student work, and hold office hours.

Summer Technology Associate

Bank of New York Mellon, June 2016 - August 2016

- Redesigned alerts system on an internal business application.
- Development work done in HTML, CSS, and AngularJS.
- End-to-end UX design process with prototyping done in Axure 8.

Undergraduate Student Researcher

University of Pittsburgh, June 2015 - August 2015

- Researched the lack of high school computer science teachers.
- Worked with Pitt's School of Education to develop solutions.

Undergraduate Research Assistant

University of Pittsburgh, January 2015 - May 2015

- Researched the lack of women in computer science.
- Identified problems and recommended solutions to the University of Pittsburgh's Computer Science Department.

TECHNICAL PROJECTS

Java

Academic Projects

- Random maze generator and solver using recursion
- Database backend for mock social media site

C

Academic Projects

- Custom shell supporting basic UNIX commands
- FUSE File System Implementation

Python

Stanford Hackathon Project

- Criteria-based, automated unfollowing Twitter App