# SAMANTHA VOIGT

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## EDUCATION

**WELLESLEY COLLEGE,** Wellesley MA                                          **Expected Graduation: May 2017**

Pursuing BA in Computer Science. GPA: 3.36/4.0

**RELEVANT COURSEWORK:**

- Multivariable Calculus
- Combinatorics & Graph Theory
- Computer Systems
- Computer Networks
- Principles of Programming Languages*
- Computer Security
- Databases with Web Interfaces
- Tangible User Interfaces*

*\*Will complete Fall 2016*

## WORK EXPERIENCE

**SOFTWARE ENGINEERING INTERN**                                                          **Summer 2016**

**Square, Inc.**

- Developed in Ruby, Rails, Ember.js, CoffeeScript, ES6
- Part of the entire software development lifecycle for multiple features from design, to implementation, testing, feature rollout, and bug fixing. Wrote unit, integration, and acceptance tests for both backend and frontend
- Engineered improvements that required cross-team collaboration
- Designed and implemented caching component, including schema design, to alleviate load on backend systems
- Upgraded filtering UI to bring to parity with company-wide standards
- Designed and developed a feature to display analytics to merchants regarding their invoices
- Implemented recording of risk signals used to ship multiple features to reduce risk associated with the invoicing product

**COMPUTER SCIENCE TUTOR**                                                          **Fall 2014 - Fall 2016**

**Wellesley College**

- Tutor undergraduates in: Introductory Web Development (Fall 2014), Introductory Programming in Python (Spring 2015), Data Structures in Java (Fall 2015), & Databases with Web Interfaces (Fall 2016).
- Manage a two hour long office hour session every week. Assist students in completion of a program and review concepts. Grade assignments and assist in lab section.

**SUMMER IMMERSION PROGRAM TA**                                                          **Summer 2015**

**Girls Who Code**

- Assist in the instruction of a seven-week CS curriculum to 20 high school girls including topics in Animation, Robotics, Data Structures, and Algorithms while using mostly Scratch, Python, HTML/CSS, and JavaScript.
- Create, design, and/or modify existing programming assignments. Guide students through the process of completing assignments, including debugging their code.
- Manage skills and personalities of a large group of diverse students, minimizing conflict and emphasizing good peer programming and collaboration.

## PROJECTS

**REYAKTIONS -** Python, Flask, Linux, AWS, Indico API, Bootstrap                                **Spring 2016**

*WHACK Hackathon Winner - Overall Second Place*

- **Purpose:** To help students explore which colleges are the most positive (or negative) using the sentiment analysis of the current posts for colleges on Yik Yak.
- **Technical Info:** Function as backend developer. First time using Flask and AWS. Interfaced with a large number of APIs, frameworks, and plugins (including getting yaks from Yik Yak without a public API) and connect it all to make a working product in 24 hours.

## TECHNICAL SKILLS

**SKILLED IN:** Python, JavaScript, Ruby, Java , HTML/CSS,  mySQL, Git, CoffeeScript, Ember.js,  C

**EXPOSURE TO:** Flask, Django, React, x86 assembly, Mercurial