



# Katherine Bau



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## Education

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### Cornell University

College of Engineering GPA: 3.3  
B.S. Computer Science | Expected Graduation 2019

## Professional Experience

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### Johnson & Johnson

**Software Engineering Intern** Jun 2017 - Present  
Working on web backend relating to Health Partner  
using PHP and Symfony  
Working within Scrum framework  
Volunteering for new philanthropy initiative Code to  
Hope

### People Aware Computing Lab | Ithaca, NY

**Undergraduate Researcher**, Jan 2017 - Present  
• Implementing operating system level interactions in  
existing framework modeled off of the Aware Framework.  
• Analyzing whether data taken creates trends within  
schizophrenics going through psychosis.

### Kweller Prep | New York, NY

#### Tutor, June 2014 - August 2016

- Taught classes of ~12 students in AP Chemistry, AP Calculus BC, SAT, SHSAT
- Communicated with parents and administration

### Girls Who Code | New York, NY

#### Summer Immersion Participant, June - Aug 2014

- Worked with introductory Python, HTML, CSS, Jquery, Java.
- Created a book tracking app that incorporated Google APIs using Javascript, HTML and CSS

## Projects

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### Hunter 2048 (Java)

- Built 2048 inspired game as a tribute to Hunter College High School
- Utilized Java GUI Frameworks and action listeners to create the user interface
- Programmed game logic for the backend
- Imported photos using paths

## Coursework

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Web Design, Object Oriented Programming, Discrete Mathematics, Functional Programming, Digital Logic and Computer Organization.

**Current Classes:** Analysis of Algorithms, Embedded Systems, Data Driven Web Applications, Probability and Statistics

## Leadership

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### Cornell University Sustainable Design

#### iOS Developer, Jan 2017 - Present

- Implementing geo-fencing for heat transfer phone application
- Integrating app data with server side and embedded system

#### Theta Tau | Ithaca, NY

#### Design Chair, Jan 2017 - Present

- Utilized Adobe Creative Cloud to create promotional materials for Spring 2017 Recruitment
- Reorganized marketing plan and created new initiatives to reach out to all engineers

**Used:** Photoshop, InDesign, Illustrator, Microsoft Office.

### Cornell University Unmanned Air Systems

#### Marketing Lead, August 2015 - Present

- Rebranded CUAir as a project team through multiple projects
- Collaborates with other subteams to bring CUAir's vision to sponsors and students alike

**Used:** Photoshop, InDesign, Illustrator

### Camp Kesem Cornell

#### Volunteer Coordinator, Aug 2016 - Present

- Organizes, trains, and selects 2017 counselors for Camp Kesem Cornell
- Leads general body meetings and recruits new members

## Skills

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Java



OCaml



Adobe Creative Cloud



HTML/CSS



JS/jQuery/d3

