

# VINCENT PAN

github://breadamonium    linkedin://youliangpan    website: <http://breadamonium.github.io>  
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## EDUCATION

**Cornell University** – Ithaca, NY  
College of Engineering | Cum. GPA: 3.12/4.00

B.S. Computer Science  
Expected Graduation: May 2017

**River Hill High School** – Clarksville, MD

Graduated: May 2013

## WORK EXPERIENCE

**Amazon.com, Inc.** – Seattle, WA

June 2016 – August 2016

### SDE Intern

- Worked on the eCIF3-FLASH team on an exceptions dashboard system to be integrated into Accounting Central UI for monitoring of broken use cases between the FLARE-pipeline and FLASH.
- Added additionally scraping methods for parsing through log files to find exceptions using Regex matching in JAVA.
- Set-up an AWS-Redshift database to store parsed exceptions from the Pipeline.
- Wrote a custom API to handle different SQL queries to retrieve different metrics about the exceptions from the Redshift database.
- Created new web-pages in Accounting Central using Ruby-On-Rails and D3 to create dynamic graphs from user inputted parameters.

**Belle Applications, Inc.** – Startup in Ithaca, NY

June 2015 – August 2015

### Web Developer Intern

- Worked on the backend development team to implement the basic features of the website, such as login system, registration page, email-verification service, chat functionality, and Stripe payment system.
- Created a unique matching algorithm to match deliverers with customers in PHP, along with storing of customer data and order information in a MySQL database.
- Wrote an Advanced REST API to exchange data between the web server and the mobile app to have cross-platform compatibility and to synchronize basic account functions.
- Web App Url: <http://www.belledelivery.com> | Apple Store Published App: “Belle Delivery”

**Intermediate Web Programming** – Cornell University, Ithaca, NY

January 2016 – May 2016

### Teaching Assistant [CS 2300]

- Lead discussion sections to give quizzes to students, and also engaged students in a practical lab application of various concepts learned from lecture.
- Graded quizzes and projects that were given to students in section.
- Answered questions and assisted students with debugging in office hours.

**Knight Institute Writing Center** – Cornell University, Ithaca, NY

March 2014 – Present

### Writing Tutor

- Conducted tutoring sessions with students. Identified weaknesses in the writing piece relating to thesis assertions, organizational flow, argument development, and style.
- Worked over the summer part-time as a writing tutor for the Pre-freshman Summer Program at Cornell
- Taught as a language tutor for ESL and international students to improve their grammar.

## Relevant Coursework

## Programing Skills

### Completed:

- Algorithms (CS 4820)
- Machine Learning for Data Science (CS 4786)
- Databases (CS 4320)
- Data-Driven Web Applications (CS 3300)
- Computer System Organization and Programming (CS 3410)
- Functional Programming (CS 3110)
- Intermediate Web Programming (INFO 2300)
- Discrete Math (CS 2800)
- C++ Programming (CS 2024)
- Unix Tools and Scripting (CS 2043)
- Object Oriented Programming/Data Structures (CS 2110)
- Python Programming (CS 1110)

### • Proficient (1000+ lines):

Java, CSS, HTML, PHP, MySQL, Bootstrap, JavaScript.

### • Familiar (300+ lines):

C++, OCAML, C, AJAX, R, Latex, Unix Scripting, Ruby on Rails, Matlab

### • Projects:

Please see website (Link at top) for detailed description of personal projects.