

# 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: 3.17/4.00

B.S. Computer Science  
Expected Graduation: May 2017

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

Graduated: May 2013

## WORK EXPERIENCE

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

June 2015 – August 2015

- A grocery delivery startup company sponsored by the Life Changing Labs incubator program.
- Worked on the backend development team to implement the basic features of the website, such as login system, registration page, email-verification sending 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.
- Learned Linux systems, HTTPS protocols, and DNS hosting in the migration of the app to Amazon S3.
- Web App Url: <http://www.belledelivery.com> | Apple Store Published App: “Belle Delivery”

**Intermediate Web Programming** – Cornell University, Ithaca, NY  
**Teaching Assistant [CS 2300]**

January 2016 – Present

- Lead discussion sections to give quizzes to students, while engaging them in a practical application of the lecture.
- Graded quizzes and projects that were given to students in section.
- Answered questions and debugged code in office hours.

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

March 2014 – Present

- 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.

**NASA, Goddard Space Flight Center** – Greenbelt, MD  
**Lab Intern**

June 2012 – August 2012

- Tested and obtained data from a LiDAR remote sensing device in vacuumed and various temperature controlled environments.
- Used Matlab to obtain voltage and temperature data from a laser emitting device that paired with the LiDAR sensor.
- Graphed thousands of data vectors using excel macros and created a poster presentation for the internship fair.

## Relevant Coursework

## Programing Skills

### Completed:

- Functional Programming (CS 3110)
- Databases (CS 4320)
- Computer System Organization and Programming (CS 3410)
- 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)

### Current Semester CS-related Coursework:

- Algorithms (CS 4820), Machine Learning (CS 4786), Data-driven Web Applications (CS 3300)

- **Proficient (1000+ lines):**  
Java, Python, CSS, HTML, PHP, MySQL, Bootstrap

- **Familiar (300+ lines):**  
C++, OCAML, C, Javascript, AJAX, R, Latex, Unix Scripting, Ruby on Rails, Node.js, Matlab

- **Projects:**  
Please see website (Link at top) for detailed description of personal projects.