Norman Kuang

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EDUCATION

- **Vassar College, Poughkeepsie, NY** — Expected May 2020
  Bachelor of Arts in Computer Science
  - **GPA:** 3.9/4.00
  - **Relevant Coursework:** Data Structures, Analysis of Algorithms, Software Design & Engineering, Foundations of Computer Science, Computer Organization, Robotics

TECHNICAL SKILLS

- **Languages: Python**, **SQL**, **Java**, C, HTML, CSS, JavaScript
- **Technologies:** Flask, MATLAB, Linux, Maven, Eclipse, Xcode, IntelliJ, Chromium, LaTeX
- **Skills:** English (Fluent), Cantonese (Fluent), Mandarin (Basic), Spanish (Basic)

EXPERIENCE

- **Research & Teaching Assistant** — Aug 2017 - Jun 2018
  Computer Science Department, Vassar College, Poughkeepsie, NY
  - **HTTP/2 Server Push Protocol:** Researched web browser load speeds, specifically utilizing the HTTP/2 protocol called server push. Compared web page load speeds with and without server push. Developed and modified Google Chromium code base to remove browser randomness and performed testing trials.
  - **Java Programming Tutor:** Assisted students who struggled with programming assignments during off hours. Provided input for the teaching professor in regards to assignments, labs, and direction of class.

- **Fitness Facilitator** — Aug 2016 - Jun 2017
  Athletics Department, Vassar College, Poughkeepsie, NY
  - **Game Operations:** Assisted with the set up and break down of athletics events. Refereed several intramural matches. Recorded statistics for athletic teams.
  - **Athletics Center Maintenance:** Maintained the cleanliness and upkeep of the fitness center on campus. Assisted managers with various duties. Enforced basic security and provided customer service at the front desk.

PROJECTS

- **ParaMaps** — Oct 2017 - Dec 2017
  Java Application
  - Created a visual mind-map based on user input. Rendered using Java Swing.
  - Processed the English language using various models provided by the **Apache OpenNLP** library. These models included **tokenizers**, **parts-of-speech taggers**, and **entity recognizers**.
  - Managed by **Maven** in order to support **test-driven development** (unit-tests, Mockito), **dependency management**, and **build support**.

- **Motivational Quotes Texter** — Dec 2018
  Python Application
  - Scraped and parsed a motivational quotes web page in order to obtain data using **BeautifulSoup**.
  - Utilized the **Google Spreadsheet** and **Google Drive API** (**gspread**) as a mini-database, effectly storing quote data and more.
  - Used the **SMTP** library to communicate with an SMS-gateway and send messages to a given phone number.

LEADERSHIP & ACTIVITIES

- **Member***: Dartmouth College Zeta Psi Fraternity, Hanover, NH* — Nov 2018 - Present
- **Member***: Vassar College Men's Rugby, Poughkeepsie, NY* — Aug. 2017 - Present
- **Member***: Mills High School Men's Wrestling, Millbrae, CA* — Sep 2012 - May 2016