Tu V. Tran

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WORK EXPERIENCE

Software Engineer Intern   **HubSpot**   *Summer 2018*
- Fixed critical bugs on concurrency control, major compactions and fast fail interceptor in **Apache HBase**, which is responsible for *over 600 TBs of data* and *over 3 billion requests/second*
- Developed a REST APIs interface with **Java, Dropwizard** and **MySQL** for *over 500 software engineers* to interact with **HBase** tables and clusters effortlessly
- Built a library in Java to simplify complicated **HBase** GET/PUT/DELETE/SCAN operations

Technical Intern   **The Brandery**   *Summer 2017*
- Developed a server in **Flask** to keep track of participating startups' key performance indicators
- Built a **recommender system** in **Python** to suggest news articles based on users' interests
- Worked on a **classification model** in **Scikit-Learn** to help suggest best personalized product

Teaching Assistant   **Temple University**   *August 2017 – May 2017*
- Led weekly recitation lectures for *over 30 students* enrolled in CIS 1166 – Discrete Math I
- Held office hours, revise concepts and explain problems to help students understand the materials
- Facilitated faculty in grading homework submissions and exams

Software Engineer Intern   **Chopp**   *Summer 2016*
- Created an admin dashboard in **ReactJS** and **ExpressJS** to manage and allocate human resources
- Developed a bot prototype with **Botkit** (powered by **NodeJS**) for the company's Facebook page
- Worked with **MongoDB** to pull data for weekly analytics

TECHNICAL SKILLS

Programming Languages: Java, Python, C, C++, JavaScript, Clojure, Bash, Matlab
Technologies: Apache HBase, NodeJS, Django, Git, Linux, SQL, Dropwizard, Guice

AWARDS

- **Best P&G Software Project** at AngelHack Cincinnati 2017
- **Best Software Project** at HoyaHacks 2016, Georgetown University
- **First Prize** at Startup Weekend Ho Chi Minh City 2016
- **Presidential Scholar** at Temple University for outstanding incoming freshman

EDUCATION

Temple University, College of Science and Technology   *Philadelphia, PA*
Bachelor of Science in Mathematics and Computer Science   *Expected graduation: May 2019*
Relevant Courses: Distributed Systems, Software Design, Machine Learning, Algorithms, Operating Systems, Data Science