

Tu V. Tran

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WORK EXPERIENCE

HubSpot	June – August 2018	Cambridge, MA
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Software Engineer Intern – Java 8, MySQL, Apache HBase

- 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 at HubSpot
- 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 client in Java to simplify and standardize complicated HBase operations for HubSpot engineers

The Branderly	May – August 2017	Cincinnati, OH
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Technical Intern – Python, Scikit-Learn, Flask, NumPy

- 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

Temple University	August 2017 – May 2018	Philadelphia, PA
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Teaching Assistant

- 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

Chopp	May – July 2016	Ho Chi Minh City, Vietnam
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Software Engineer Intern – JavaScript ES6, React, Node, Express, MongoDB

- Built an admin dashboard in React and Express to manage and allocate human resources
- Developed a bot prototype with Node for the company's Facebook page
- Worked with MongoDB to pull data for weekly analytics

TECHNICAL SKILLS

Programming Languages: Java, Python, C, C++, JavaScript, Bash, Matlab, HTML, CSS

Technologies: Apache HBase, Node, Django, Git, Linux, SQL, Dropwizard, Guice, React

AWARDS

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- **Best P&G Software Project** at AngelHack Cincinnati 2017
 - **Best Software Project** at HoyaHacks 2016, Georgetown University
 - **First Place** at Startup Weekend Ho Chi Minh City 2016
 - **Presidential Scholar** at Temple University for outstanding incoming freshman (~5% of the 2019 class)

EDUCATION

Temple University, College of Science and Technology	Philadelphia, PA
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B.S. in Mathematics and Computer Science

Expected graduation: May 2019

Relevant Courses: Distributed Systems, Software Design, Machine Learning, Algorithms, Operating Systems, Data Science