TU V. TRAN

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WORK EXPERIENCE

Technical Intern **The Brandery** *Summer 2017*

- Developed a server in Flask as the backend of the internal application to keep track of participating startups' weekly key performance indicators
- Built a recommender system to suggest news articles for users based on their interests using TF-IDF
- Worked on a classification model using different methods (Multilayer Perceptron, Naive Bayes and Random Forest) to suggest the best line of customized product for a user

Teaching Assistant **Temple University** *August 2017 - Present*

- Lead weekly recitation lectures for over 30 students enrolled in CIS 1166 – Mathematics Concepts in Computing I
- Hold weekly office hours, revise in-class concepts and explain problems to help students understand the materials
- Facilitate 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
- Created a bot prototype with Botkit (powered by NodeJS) for the company's Facebook page
- Worked with MongoDB to pull data for weekly analytics

Core Member, Developer **Grokking Vietnam** *Summer 2016*

- Worked in a team of 7 to host monthly high-quality tech talks on various topics including database, Elasticsearch, machine learning, big data… for software engineers in Vietnam
- Developed a Slack bot to pull job postings from Github and post to the group every week

TECHNICAL SKILLS

Programming Languages: Java, Python, C/C++, JavaScript, Haskell

Technologies: NodeJS, Django, Git, Linux, NoSQL, SQL, PyTorch, Numpy

Projects:

- **PopMap.** *Winner of Best Software Project, Hoya Hacks, Georgetown University* (2016). Developed a website using Google APIs (Maps, Places and Directions), Open Street Map dataset and k-means clustering algorithm to help users get from A to B in the most satisfactory route.

EDUCATION

Temple University, College of Science and Technology *Philadelphia, PA*

Bachelor of Science in Mathematics and Computer Science *Expected graduation: May 2019*

- **Major GPA:** 3.82/4.0, Presidential Scholar, College Honors Program
- **Relevant Courses:** Distributed Systems, Software Design, Machine Learning, Data Structures and Algorithms, Operating Systems, Discrete Mathematics, Linear Algebra, Probability Theory