Thong H. Vo

1500 St. Olaf Avenue
Northfield, Minnesota 55057

linkedin.com/in/thong-vo-83542615b
github.com/ThongVoHien

vhthong0209@gmail.com
(612) 309-4569
thongvohien.github.io

EDUCATION

St. Olaf College, *Bachelor of Arts in Mathematics and Computer Science. Anticipated Graduation: May 2021*   GPA: 3.79/4.0
Relevant Courses: Mobile Computing Applications, Software Design, Algorithms and Data Structures, Operating Systems, Cloud Computing, Directed Undergraduate Research, Independent Research, Information Retrieval, Artificial Intelligence

HONORS AND AWARDS

4th Place in Vietnam National Olympiad in Mathematics   *Spring 2016*

13rd Place in North Central NA Regional Contest – ICPC   *2019*

Dean's List (GPA above 3.7)   *2017 - 2019*

WORK EXPERIENCE

Mobile Application Developer Intern, Skrt, Northfield   *October 2019 – Present*
- Developed UI and added new features to Skrt application on mobile platform (iOS and Android)
- Based on *JavaScript, React Native*, *NodeJS,* and *PostgreSQL*

Chief Technology Officer, Carbon (start-up)   *Dec 2019 – Present*
- Designed and programmed mobile application Carbon from scratch using React Native, JavaScript, and Expo
- Designed the backend and PostgreSQL database on Google Cloud using NodeJS and API

Lead Software Developer, High Performance Computing Team, St. Olaf CS Department, Northfield   *Apr 2018 – Jan 2020*
- Promoted after one year of developer experience to mentor and train four other software developers
- Developed and added new features to Cochlear Implant Training Web Application
- Implemented 100 unit tests with Test Driven Development (TDD) to increase reliability of the app from 10% to 90%
- Managed application platform and increased security by using Dokku and Nginx
- Url of the website: https://hipercic.cs.stolaf.edu
- Based on Python, Django, HTML, JavaScript, and CSS

Web Developer Intern, Strinj (start-up)   *May 2019 – Aug 2019*
- Developed and added new features to Strinj project using Python and Heroku; with features:
  - Front-end for users to apply for jobs and for companies to subscribe
  - Efficient database model with Object Oriented Design
- Based on Python, JavaScript, PostgreSQL, HTML, Django, and Heroku

PROJECTS

Kubernetes Project, Computer Science Independent Research, St. Olaf, Northfield   *Apr 2019 – Jan 2020*
- Speeded up and simplified Cluster Management process for CS Department using Kubernetes, Docker, and Bash scripting
- Benchmarked the efficiency of the new system to guarantee users' satisfaction using HPL

Post Office Application Project, Mobile Computing Application Class, St. Olaf, Northfield   *Jan 2018*
- Programmed a mobile application with the following features:
  - Store information of all packages as well as the identity of the user
  - Send notification when packages arrived and automate checking and updating package information
- Based on Java, React Native, Expo, PostgreSQL, and API

Control Team, St. Olaf – Carleton Engineering Team, St. Olaf, Northfield   *Dec 2017 – Dec 2019*
- Worked in a full team of more than 30 members to participate in Mission 8 of International Arial Robotics Competition (IARC)
- Programmed voice control and image processing features for the drone using Python, OpenCV, and Android
- **Honor**: Best Man-Machine Team

OTHER LEADERSHIP EXPERIENCE

President, Student Chapter of the Association for Computing Machinery, St. Olaf, Northfield   *Sep 2018 – Jan 2020*
- Fostered computing community at St. Olaf by organizing CS social events, workshops, talks, and demonstrations