Huyen (Haley) Giang

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EDUCATION

Oberlin College – Oberlin, OH   Aug 2019 – May 2023
BA in **Computer Science** and **Mathematics**   **GPA: 3.98/4.00**

- **Honors**: John F. Oberlin Scholarship, Tapia Diversity Conference 2020 Scholarship
- **Relevant Coursework**: Data Structures, Programming Abstractions, Analysis of Algorithms, AWS Fundamentals, Mobile Development: React Native

SOFTWARE SKILLS

Programming Languages: Python, Java, Scheme/Racket, JavaScript, MATLAB
Web Development: HTML, CSS, React, Bootstrap, jQuery, Express, Node.js
Mobile Development: React Native
Tools: Pandas, NumPy, OpenCV, Git, TensorFlow, Tesseract OCR

EXPERIENCE

Microsoft Corporation   Hanoi, Vietnam
TEALS Teaching Assistant   Oct 2020 – Present

- Collaborated with a team of 5 engineers to devise lesson plans, hold weekly office hours, and instruct 100+ high school students with an introductory programming course in SNAP! And Python

Computer Science Major Committee   Oberlin, OH
Teaching Assistant   Feb 2020 – Present

- Host weekly online labs and tutor sessions for 100+ students enrolled in all-level programming courses
- Received 10+ positive feedbacks and referrals on facilitating fellow students with challenging assignments and team projects

FPT Group   Hanoi, Vietnam
Deep Learning Intern   May 2020 – Aug 2020

- Accelerated the vehicle registration service of 2.8 million Grab drivers in Asia by 90% by performing character recognition software (OCR) to detect 50+ languages in 1000+ scanned documents
- Synthesized 1 million images to test and train CNN models for image-to-text detection with a 82% accuracy
- Trained EfficientDet model on Keras and Tensorflow to detect price table in invoice with a 96% accuracy, expediting the production of e-invoice for customers by 70%

Oberlin Computer Science Department   Oberlin, OH
Lab Assistant   Jan 2020 – Feb 2020

- Designed an electrical embedded system lab deploying Arduino, Processing and pySerial for an advanced level course of 80+ students
- Crafted a LED color-switching circuit board that was later exhibited at the Oberlin Winter-Term showcase fair

TECHNICAL PROJECTS

Facebook DevC Innovation Challenge (Third Prize)   Oct 2020

- Launched WeCare, a React Native mobile app that connects users to health experts. Exalted by tech leaders for being as an on-demand application in times of Covid-19 and public health crisis
- Formulated an algorithm to locate the nearest local clinics and deliver medication to users' doorsteps

FTI Growth Hacking Challenge 2020 (First Prize)   Jul 2020

- Constructed a Vietnamese Spelling application using Node.js and Text-To-Speech API and devised an algorithm to deintegrate the most common 1 million Vietnamese words to their phonetic transcriptions

Startup Weekend (Top 5)   Sep 2019

- Produced a Minimum Viable Product model for ObieFood, an app-based food delivery service at Oberlin, using Android Studio and Java