

# DUY PHAM

400 Southwest Parkway #713 • College Station, Texas 77840 • (713) 854-4886 • [duy@tamu.edu](mailto:duy@tamu.edu)  
[duypham228.github.io](https://github.com/duypham228) • [github.com/duypham228](https://github.com/duypham228) • [linkedin.com/in/duypham228](https://www.linkedin.com/in/duypham228)

## OBJECTIVE

To obtain a 2021 Summer Internship or Spring Co-op in Software and Computer Engineering

## EDUCATION

**Texas A&M University**, College Station, Texas 5/2022  
*Bachelor of Science in Computer Science, minor in Electrical Engineering*  
Cumulative GPA: 3.43/4.00

**Lone Star College**, Houston, Texas 5/2018  
*Associate of Science*  
GPA: 3.71/4.00

## SKILLS

- Technical Skills: C/C++, Python, Java, JavaScript, Scheme, API, Git, Linux, MySQL, Google Appscript, Regex, PHP.
- Foreign Language: Vietnamese (Reading, Writing and Speaking).

## PROJECTS

**Smart Eyes – Tamuhack 2021** (*Node.js, Python, Twilio API, React, Face Recognition Library*) 1/2021

- Created a security camera system that can detect familiar versus stranger faces then send text message when there are strangers in the frame using Twilio API and Face recognition library.
- Built a front-end website that user can upload member photo for system to learn and recognize.

**Discord Weather Bot** (*Node.js, JavaScript, API, HTML, CSS, Surge, Heroku*) 12/2020

- Automated bot for Discord server that can return weather report, 1 week forecast visual chart, and air quality for a specific city using API call.
- Parsed user command with optional flags such as location and unit using regular expression.

**Bar None Citation** (*Google App Script, HTML, CSS*) 10/2020

- Created an automatic add-on for Google Doc to cite legal documents by searching court data for given cases and format with specific types of citation base on Rules, Cases, Statues.
- Designed sidebar and dialog box for user interaction with the database by using HTML, CSS and rendered on the HTML frame of Google Appscript.

**Simplifying Adventure Works** (*Java, Docker, JDBC, mySQL*) 9/2020

- Created a GUI for easier interaction with company database by parsing common queries into button, display results as chart and table using Java Swing.
- Created a Dashboard which display most important information of company in summary.

**Get A Quotes – Tamuhack 2020** (*Python, Machine Learning, Tableau*) 1/2020

- Cleaned given dataset from State Farm then applied into different Machine Learning algorithms such as Logistic regression, Random Forrest and XGB to compare the efficiency between them and also find out important feature that affect the learning.
- Used trained model to predict severity of accidents based on time, location, weather, etc.

## EXPERIENCES

**Physics Teacher Assistant – Texas A&M University** 9/2019 – 5/2020

- Taught Electricity, Magnetism laboratory and coordinated lab's activities.
- Taught students using and setting up Arduino circuits in dedicated Engineering lab.

**Undergraduate Teaching Fellow – Texas A&M University** 1/2019 – 11/2019

- Tutored students with Engineering Calculus I and II, review worksheet and homework.
- Managed class logistics for 2 sections with 20-25 students each.

## AWARDS AND CERTIFICATIONS

### Machine Learning

- Won 3<sup>rd</sup> place at TAMUHACK 2020
- NVIDIA DLI Deep Learning for Computer Vision ([Certification](#)).

### Web Development

- LinkedIn Learning Certificate for [HTML](#), [CSS](#), [JavaScript](#).