





Hoang Pham

Graduating Senior in Computer Science

 2523 Queensberry Road
Pasadena, CA 91104

 phamnbh.github.io

 phamnbh@gmail.com

 626-486-6694

I am a result driven worker who enjoys the process of learning. I have working knowledge in regards to web development and software engineering. In team environments, I am communicative, cooperative, and flexible, allowing me to assume roles catering to the team's needs. My interest lie in product creation, machine learning and data science. I hope to find a job that will fulfill my desire to create and add to other people's lives.

Education

2016-08 - present **California State University Northridge**

B.S., Computer Science
Campus GPA 3.89

2012-01 - 2016-05 **Pasadena City College**

Associate in Arts Engineering and Technology
Associate in Arts Natural Sciences

Experience

2017-10 - present **Virtual Version**

Senior Design project

Virtual Version is a service consisting of a mobile app and a corresponding web app. The mobile app's function is primarily to take pictures of typed text to convert into editable text, which can be accessed by the web app.

Responsibilities

- Team lead for and agile development process
- ExpressJS back end
- ReST API - Both server side and mobile client
- User authentication (including token based authentication) and Database design
- Integration of different libraries (OCR and rich text editor)
- Integrate web sockets for collaborative editing
- AWS Integration

2018-02 - present **Movie Recommender Website**

Personal Project

The movie recommender provides recommendation based on popularity, similarity and user preference.

Skills used

- Preprocess data for further manipulation (Data cleaning, reduction and transformation)
- Find similar movies using a given movie's keywords/overview
- Collaborative Filtering to find similar movies based on a user's past reviews
- Full stack development with the use of TMDB's API to retrieve movie info and poster
- AWS Integration

2017-08 - 2018-01 **Programmable Quadcopter using a Raspberry Pi**

Personal Project

Skills used

- Controlled hardware, such as power ESCs, brushless motors and sensors, using a RaspberryPi
- Programmed a PID controller for the quadcopter's flight controller
- Integrated Blynk, a mobile app, to control the quadcopter from my phone

2018-02 - present

Implementation of a Neural Architecture Search with Reinforcement Learning

Class Project

Responsibilities

- Read research papers and learn about Neural Networks and their architecture
- Learn to set up a machine learning environment that enables GPU acceleration
- Work with TensorFlow to create neural networks



Skills

Python



3+ Years

Agile Development



Project Lead for multiple projects - Team player

Web development - Full Stack



Express JS - ReST API - Bootstrap

OOP



Git



UNIX/Linux

