Long Pham

Software Engineer - Systems Test Engineer (L2)

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EXPERIENCE

OSI Maritime Systems Ltd, Burnaby, BC, CA — *Systems Test Engineer (L2)*

NOV 2019 - PRESENT

- Read and understand customer requirements, consult in design implementation, and write test procedures as per customer requests
- Run tests and verify the requirements using multiple testing techniques like blackbox, regression, and rigorous manual testing
- Created small scripts to alleviate manual testing
- Naturally enrolled as a young leader and acted as a team lead for co-op students and junior engineers (L1)

Western University, London, ON, CA — *Teaching Assistant*

SEPT 2016 - APR 2019

- Lead instructor for multiple courses including (1) microcontrollers, (2) software design, and (3) operating systems.
- Provided office hours, guidance, and organization between labs as well as fellow TAs
- Role model for over 500 cumulative students and fellow TAs.

EDUCATION

Western University, London, ON, CA — *Masters of Engineering Science – Software Engineering*

SEPT 2016 - APR 2019

After 3 years of studying, I graduated with a thesis published by the university in the research of deep learning using Gabor filters to increase the speed and efficiency of convolutional neural networks (CNN).

Western University, London, ON, CA — *Bachelors of Engineering Science – Software Engineering*

SEPT 2012 - SEPT 2016

Built a foundation in engineering learning the software development lifecycle, while gaining knowledge with essential CS fundamentals.

SKILLS AND ATTRIBUTES

Software Development Lifecycle

Coding (Python, C, JavaScript, React, CSS, HTML, MERN)

Leader

Fast Learner

Problem Solver

Dependent

AWARDS

NSERC Research Grant (2019)

Certificates

Canadian Clearance (5 Years)

NATO Clearance (10 Years)

LANGUAGES

English (Primary)

Vietnamese (Secondary)

PROJECTS

Personal Website ⬈ — *Website Created with MERN (ReactJS)*

Using the ReactJS library to build a frontend single page application that shows my personal achievements, past history, interests, and my resume.

Meme Generator ⬈ — *ReactJS Frontend App*

Using React with hooks, fetch, async/await to grab images from the public API from ImgFlip

Profile Viewer ⬈ — *MERN App for user auth and minimal frontend*

Created a MERN app for basic user authentication using JWT and Bcrypt for password encryption. This app also provides a basic frontend that shows a user login page along with a profile page that shows their stats.

Click The Boxes ⬈ — *ReactJS Frontend App*

Created a React app to click black boxes to reveal the image behind it. Used React hooks to implement this.

Impatiens Nails Website ⬈ — *Website Created with ReactJS*

Building a frontend Nail E-Commerce App from scratch. These nails are custom made and designed by my significant other and we plan to start a business from the ground up selling custom press-on nails (coming soon!)

GraphQL User Database ⬈ — *Full stack app using GraphQL (Apollo.js)*

Created a basic GraphQL app to display a (fake) user database. Barebones, first implementation of learning how GraphQL (Apollo.js) works.

To-Do (CRUD) App ⬈ — *Full stack app using MERN*

Created a basic CRUD MERN app for a to-do list. Barebones, first implementation of learning how CRUD works.