

Hung Nguyen

software engineering intern

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EDUCATION

UNIVERSITY OF BRITISH COLUMBIA

BASC IN COMPUTER ENGINEERING

June 2022 | Vancouver, BC

Curriculum:

- electrical engineering
- computer science

SKILLS

PROGRAMMING

Languages:

- | | |
|------------|--------------|
| JavaScript | • Java |
| C/C++ | • TypeScript |
| Python | • C# |
| Verilog | • Assembly |

Tools and technologies:

- | | |
|--------------|-------------|
| React Native | • React.js |
| Node.js | • GraphQL |
| AWS | • MySQL |
| CSS | • HTML |
| Jest | • Travis CI |
| Git | • Latex |
| Unix/Linux | |

COURSEWORK

Full-stack web development
Object-oriented design
Algorithm design and analysis
Algorithms and data structures
Machine and assembly language
Operation of microcomputers

SOFT SKILLS

Bilingual Communicator
English • Vietnamese • Chinese

LINKS

Github: [hungnguyen3](#)
Website: [hungnguyen3.github.io](#)
LinkedIn: [Hung Nguyen](#)
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YouTube: [Hung Nguyen](#)

TECHNICAL PROJECTS

LOST PETS FINDER - ANDROID APP | github

October 2020

- Worked in React Native and Node.js to build an android mobile app that helps people to find and reunite with their lost pets.
- Implemented a REST API using Node.js and MySQL database.
- Created a fully functional front end capable of posting and deleting posts of lost/found pets at MySQL and AWS S3 databases.
- Fetch data from AWS Rekognition API to analyze the pets' colors, animal classes, breeds, etc. to match and return the most similar posts to the users.

SMS SCHOOL - NWHACKS 2021 | github

January 2021

- Worked in React and Node.js to build an online education system for children in developing countries.
- Created a REST API using Node.js and MongoDB database.
- Used Twilio API to send SMS from our web app to different users.

REACT COMPUTER SHOP | website | github

August 2020

- Utilized Context API, React Router, and PropTypes from React.js library to render an online E-commerce website selling computer hardware.
- Designed the UI using Bootstrap, Styled Component, and Font Awesome

T-SHIRT ECOMMERCE WEBSITE | website | github

July 2020

- Developed an online E-commerce shop using HTML, CSS and JavaScript.
- Designed the UI features using Font Awesome and Google Font API.
- Products were fetched and rendered from Contentful API.
- Cart items are stored inside local storage.

DANCING ROBOT | youtube

February 2020

- Designed and developed a dancing robot, capable of switching between 6 dance moves in Python. Additionally, it can display images on an LCD screen, play music through a Piezo buzzer, and display RGB lights.
- Created and tested dance moves through controlling 4 servo motors.
- Created and tested RGB lights display.

LINE TRACKING ROBOT | youtube

March 2020

- Built an autonomous robotic vehicle and a web app remote control for the robot in Python and HTML. Capable of IR line tracking, dynamic room and route mapping, object avoidance, and colored object detection.
- Created color detection through utilizing open CV library on Python. Controlled the robot to move accordingly to the traffic lights.
- Implemented object avoidance algorithm on the robot using 3 sonar sensors.