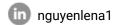
LENA NGUYEN

SOFTWARE DEVELOPER









SKILLS

Languages: Javascript, C++, Python, C#, HTML/CSS, SQL, GraphQL, Typescript

Frameworks & Tools:

React, Node.js, Express, Hapi.js, Flask, .NET, AWS, Firebase, Git, JIRA, Jest, Cypress, Microsoft Azure, Numpy, Matplotlib, Keras

Databases: MySQL, PostgreSQL, Firestore

ACTIVITIES

Product / UX |

UW Alternative Fuels Team, 2019

Co-Head of Experience | Energy Hacks, 2019 - Present

President | Social Justice, 2017 - 2018

Executive Team

Peel Environmental Youth Alliance, 2016 - 2018

International Top 10 Winner | out of 600, DECA, 2016

EDUCATION

SYSTEMS DESIGN ENGINEERING (BASC)

UNIVERSITY OF WATERLOO | GPA: 3.85 | 2018 - PRESENT

- Dean's Honors List Fall 2018, Spring 2019
- Courses: Digital Computation C++, Data Structures and Algorithms

EXPERIENCE

FULL STACK DEVELOPER

BONFIRE | SEP 2019 - DEC 2019

- Independently architected and implemented a secure password reset feature with Node, AWS, and React.
- Leveraged AWS SNS, SQS and Lambdas to persist user account changes to databases in different regions.
- Revamped testing infrastructure to increase code coverage by 200%.
- Automated the syncing of thousands of projects using JavaScript and MySQL to increase data accuracy between databases.

SOFTWARE DEVELOPER

UW BLUEPRINT | MAY 2019 - DEC 2019

- Leveraged AWS S3, GraphQL, and Typescript to implement efficient, scalable cloud document hosting.
- Migrated database to use SQL instead of NoSQL to improve performance, development time, and code readability. (Python, Flask, PostgreSQL)
- Reached 500+ users with the open-source applications developed.

BACK END DEVELOPER

SOULFX | JAN 2019 - APR 2019

- Automated the filtering and onboarding of incoming prescriptions to decrease prescription fulfillment time by 30%. (C#, .NET, Quartz)
- Implemented an observer design pattern to reduce the update delay of web multiple applications by 30 minutes.

PROJECTS

AUTONOMOUS CAR AI

PERSONAL PROJECT | GITHUB.COM/LENANGUYEN/AUTONOMOUSCAR

- Developed a convolutional neural network using Keras and OpenCV to classify 43 different street signs with 93% accuracy.
- Leveraged behavioral cloning to train a simulated car to drive on a new track autonomously with 90% accuracy.
- Supplied real-time data to model using Flask and Socket.io

SAFE.NET

CITIZEN HACKS | GITHUB.COM/LENANGUYEN/CITIZENHACKS

- Won first place overall among 150 other hackers.
- Developed a Chrome extension that detects and blocks input fields asking for sensitive information with JavaScript.
- Architected a React app parent portal to monitor browser activity in real-time. (Node, Firebase, Google APIs)