LENA NGUYEN

lenanguyen.ca

LenaNguyen

nguyenlena1

lena.nguyen1@uwaterloo.ca

SKILLS

Languages: Javascript, Ruby, C++, Python, Typescript, Kotlin, SQL, GraphQL

Frameworks & Tools: React, Node.js, Rails, Flask, AWS, Git, Agile Development

Databases: MySQL, PostgreSQL, Firestore

ACTIVITIES

First Place
Citizen Hacks, 2019
Built a chrome extension which blocks children from giving out sensitive info.

Second Place
Apply Board Coding Competition, 2020

Writer
Medium @lena_nguyen, 2020

Product / UX
UW Alternative Fuels Team, 2019

Co-Head of Experience
Energy Hacks, 2019

EDUCATION

SYSTEMS DESIGN ENGINEERING (BASC)
UNIVERSITY OF WATERLOO | GPA: 3.8 | 2018 - PRESENT
- Dean's Honors List - Fall 2018, Spring 2019

EXPERIENCE

SOFTWARE DEVELOPER   **SHOPIFY | MAY 2020 - PRESENT**
- Researched and prototyped an **attribute based access control system** to centralize authorization within the Shopify ecosystem.
- Shipped the end to end implementation of a **SAML** domain deletion feature to **over 150 000 users** (**Ruby on Rails, Typescript, GraphQL**).

SOFTWARE TECHNICAL LEAD   **LLETTONNA | MAY 2020 - PRESENT**
- Leading the **back end and android team** of 4 developers to create an app which provides cognitive behavioral therapy. (**Kotlin, Node.js**)
- Implementing **video streaming** for therapy videos with **AWS S3**
- Established parallel testing to reduce execution time from **several minutes to 20 seconds.**
- Added role-based authroization by implementing JSON web tokens.

FULL STACK DEVELOPER   **BONFIRE | SEP 2019 - DEC 2019**
- 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**
- Implemented efficient, scalable **cloud document hosting** with **AWS S3, Typescript,** and **GraphQL**.
- Transitioned project from NoSQL to SQL to improve performance and development time. (**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 racetrack autonomously.
- Supplied **real-time data** to model using **Flask** and **Socket.io**.