

# Long Nguyen

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Innovative Software Engineer with a results-driven mindset and 2 years of experience with a history of delivering high-quality software solutions and application. I am eager to leverage my broad educational background, coupled with real world software development skills, to excel in a **full stack developer** role.

## EDUCATION

### York University

*B.Eng., Spec. Hons. Computer Engineering*

Toronto, ON

*Sep. 2019 - May 2023*

- **Relevant Courses:** Design and Analysis of Algorithms, Introduction to Database Systems, Fundamentals of Data Structures, Object Oriented Programming, Computer Vision, Introduction to Machine Learning and Pattern Recognition, Software Design, Computer Architecture

## EXPERIENCE

### Full Stack Developer

May 2023 – Present

*Collab Dentistry Inc.*

*Concord, ON*

- Delivered and implemented multiple iOS & Android compatible applications using **Flutter, Python, SQL/NoSQL Databases**.
- Integrated Stripe's **API** to manage payment informations, processing over 50 transactions per day.
- Significantly reduced **front-end development time**, from over 80 hours to 30 hours.
- Utilized **JavaScript** to format data on CRM & Admin systems, enhancing data presentation and user interaction
- Designed Collab Dentistry Inc.'s main website using **WordPress**
- **Leveraged Knowledge: JavaScript, Flutter, SQL, Firebase, Python, RestAPI, WordPress**

### Full Stack Software Engineer Intern

May 2021 – Jan. 2023

*Assure Global Group*

*Toronto, ON*

- Developed and implemented front-end web applications using **HTML/CSS** and **JavaScript**
- Utilized back-end API calls to efficiently format and retrieve data for front-end web applications
- Collaborated with UI/UX designers and managers to determine the most suitable design system for each client
- Created comprehensive test cases for a full-stack web application utilizing **Node.js, TypeScript, and MySQL**, resulting in a 95% test coverage rate
- **Leveraged Knowledge: JavaScript, Angular, Node.js, SQL, React, RestAPI**

## PROJECTS

### Spatial Test | *React, JavaScript, Express.js, PostgreSQL, RestAPI*

Aug. 2023

- Created a full stack application using a Mapbox map as a front end, self-developed **API**, and a given **PostgreSQL** database
- Calculated an areal interpolation using a circle on a map, which converts the area into a spatial object. The spatial object was then passed onto the API
- Developed the application's own API and performed **API testing** using **Postman** to ensure the endpoints are functional

### tenlalong.com | *React, JavaScript, JSX, HTML, CSS*

May 2023

- Designed a personal website showcasing my personal experience using **React, JavaScript**, and **HTML/CSS**
- Created and formatted both animated and non-animated components to enhance user experience
- Implemented media queries to ensure proper front-end layout on all devices and usage scenarios

### RANSAC-based Image Stitching | *Python, PyTorch, NumPy, Kornia, Computer Vision*

Feb. 2023

- Implemented a mosaic/panorama application using **Python** - compositing together a number of images with overlapping fields-of-view in a photography plausible way
- Constructed a mosaic based on affine transformation using either **or Kornia/PyTorch** libraries

### Everyday HSA CRM, Vyniverse CRM | *JavaScript, Angular, REST API, HTML/CSS*

Jul. 2022

- Completed **front-end development tasks** for customer service and NFT gaming manager website for Assure Global Group
- Made back-end **API calls** to format the data to the front-end websites
- Collaborated closely with UI/UX designers to ensure the web template aligned with modern design principles and trends
- Conducted thorough testing on the buttons to verify their functionality and behavior, ensuring they respond accurately and reliably to user interactions

## TECHNICAL SKILLS

**Languages:** Java, JavaScript, HTML5, CSS, SQL/NoSQL, MongoDB, Flutter

**Frameworks:** Angular, React, Express.js, Node.js, Java Spring, CircleCI

**Testing Frameworks:** JUnit, Chai, Mocha, Postman

**Tools:** WordPress, Shopify Liquid, Webflow