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   Toronto, ON
B.Eng., Spec. Hons. Computer Engineering   *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*
- Utilized **JavaScript** to format data on CRM & Admin systems, enhancing data presentation and user interaction
- Developed a cross-platform application using **Flutter, Python, Firebase, and Google Cloud Functions**
- Integrated Stripe's **API** into the application, enabling seamless management of customer payment information
- Implemented OpenAI's **API** to auto-generate a comprehensive to-do task for a To-do Application
- Designed Collab Dentistry Inc.'s main website using **Wordpress**
- **Leveraged Knowledge: JavaScript, Flutter, Firebase, Python, RestAPI, Google Cloud, 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, MongoDB, Flutter
Frameworks: Angular, React, Express.js, Node.js, Java Spring, CircleCI
Testing Frameworks: JUnit, Chai, Mocha, Postman
Tools: Wordpress, Shopify Liquid, Webflow