Anthony Nguyen

anthonyn519@gmail.com   anthonyxnguyen.com

EXPERIENCE

Rocket Mortgage Canada | Software Developer   *Mar 2022 – Present*

Windsor, ON
- Full stack developer building client mortgage application portals using **C# .NET** on the backend and **Angular** in the frontend
- Worked on teams that built internal tools and software to speedup the mortgage process
- Stood up services and infrastructure in **AWS** using **Terraform** and **Kubernetes** (helm charts)
- Helped build an event-based system with **C# .NET** that syncs data between databases and systems
- Designed **System Architectures** and proposed solutions for features, including enabling users to upload documents, replace DocuSign with a custom application, user portal account invites, using **AI/LLM** to accelerate document reviewing
- Worked in **Salesforce** to add custom configurations (fields, flows, objects) and custom code using **Apex**
- Provided on-call support and resolved system and business workflow issues to ensure smooth operations

University of Windsor | Undergraduate Teaching Assistant   *Sept 2020 – Dec 2021*

Windsor, ON
- Assisted with **instructing** undergraduate courses and **marking** assignments and examinations
- Held office hours and labs to assist students in understanding course material and reinforce learning concepts
- **Courses:** Data Structures & Algorithms, Object Oriented Analysis/Design, Intro to Programming & Algorithms

Statistics Canada | Programmer-Analyst Intern   *Jan 2020 – Aug 2020*

Ottawa, ON
- Worked on and maintained the internal software **ISRI** built using **VB.net**. The internal software organizes, verifies, and produces statistical data about Canada
- Completed data files generated by ISRI are then sent and used by international organizations like IMF & OECD

DuroByte Inc. | Software Developer Intern   *May 2019 – Nov 2019*

Windsor, ON
- Developed a **camera calibration** plugin for aligning a **collaborative robot's** arms for autonomous operation
- Built a plugin with **Java** and **Python** that controls a stepper motor on a collaborative robot. Java was for the motor's graphical user interface and calculations, whereas Python was for data communication to the motor.
- Created **VBA** scripts to verify and repair data in Microsoft Excel spreadsheets

EDUCATION

University of Windsor   *Sept 2017 – June 2022*

B.S Computer Science Honours | Minor in Mathematics
- Major Average of **92.5%**
- President's Honour Roll & Dean's List
- Graduated with **Great Distinction**

TECHNICAL SKILLS

- **Programming:** Java, C, C#, C++, Python, Apex
- **Web:** Angular, GraphQL, JavaScript, TypeScript, HTML, CSS
- **Tools:** Git, GitHub, SQL, SOQL, Salesforce, AWS
- **Other:** Architecture/Solution Designing, UML Diagram, .NET

PROJECTS

Nissan Spec	Nissan Spec Builder Site (freelance)	| built w/ **NextJS**, **Tailwind**	*2023*
Simple Slideshow	Lightweight CLI photo slideshow software	| built w/ **Python**	*2022*
Korollary	Simplifies image colors using k-means clustering	| built w/ **.NET**, **C#**, **Haskell**	*2021*
Fallers Game	Multiplayer FPS capture the flag game	| built w/ **Unity**, **C#**, **Forge Networking**	*2021*
OKBluemer	Messaging app using Bluetooth & Mesh Networks	| built w/ **Flutter**, **Dart**	*2021*
Keeboard Site	Simple E-commerce website	| built w/ **HTML**, **CSS**, **PHP**, **MySQL**	*2020*