Rick Liu

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Skills

Languages	JavaScript/TypeScript, C#, Python, C/C++, HTML/CSS, SQL
Technologies	React, React Native, Angular, ASP.NET Core, Git

Experience

Capital One Toronto, Ontario
Associate Software Developer *May 2023 – Aug 2023*

- Spearheaded an investigation into the use of cross-platform frameworks for mobile development
- Built a proof-of-concept mobile app for an existing credit card pre-approval site using **React Native**
- Made the case for React Native in front of mobile stakeholders in a 45-minute presentation

Dealer-FX Markham, Ontario
Software Developer *Sep 2022 – Dec 2022*

- Enhanced an **AngularJS** and **ASP.NET Core** vehicle check-in web app to fetch vehicle health data
- Polished an **Angular** appointment scheduling web app nearing release with fixes and unit tests

Idea Notion Development Inc Markham, Ontario
Software Developer *Jan 2022 – Apr 2022*

- Rewrote a **WordPress**, **Laravel** and **MySQL** e-commerce store, obsoleting three third-party plugins
- Wrote **Node.js** scripts to migrate 70k images to the WEBP format, cutting file sizes site-wide by 20%

Financial Services Regulatory Authority of Ontario Toronto, Ontario
IT Systems Analyst *Apr 2021 – Sep 2021*

- Upgraded a **React**, **ASP.NET Core** and **MSSQL** file submission portal to support web forms, empowering three internal teams to ditch fillable PDFs and reduce manual data validation
- Expanded the in-house form language and internal dashboard to facilitate the migration effort

Projects

AI Art Detector Angular, Django, TensorFlow
Website that Classifies Real and AI-Generated Art *Dec 2022 – Jan 2023*

- Trained a CNN on 20k images using **TensorFlow** to classify real and AI-generated art with 84% accuracy
- Developed a web app using **Angular** and **Django** to accept user uploads and return predictions

Education

University of Waterloo Waterloo, Ontario
Bachelor of Software Engineering *Sep 2020 – Apr 2025*