

EXPERIENCE AND SIDE PROJECTS

RefBounty (2021) Launched a full **MERN** stack web application to allow users to share or find referral codes and earn rewards complete with **live chat**, **Stripe** integration, **Firebase** for notifications, Redux for state management

Floppd (2020) Created a web application for simple event planning

QR Pass (2020) Designed a Chrome extension and companion React Native application to allow for QR code login to websites

EMPLOYMENT

AI Engineer	Rianta Solutions	May 2021 – Sept 2021
<ul style="list-style-type: none"> Modeled deep learning operations such as convolution, pooling, matrix multiplication, back-propagation on the SoC in development Ran performance analysis of several deep learning architectures for Rianta proprietary hardware design Wrote technical reports with diagrams created in Visio and organized presentations with all the experimental results achieved 		
Full Stack Developer	Apployees	April 2020 – Dec 2020
<ul style="list-style-type: none"> Crafted versatile, reusable UI components and data views in React for SaaS startup based in Ottawa, all work done remotely Setup an Express controller to receive webhooks from Stripe, to allow crucial billing event notifications handling Outlined new features surrounding application navigation UI/UX design using Figma to draft high quality mockups Optimized data views by lightening the DOM using open-source libraries to allow for virtualized scrolling globally Collaborated with team on new bugs and features using Git and issued constructive code reviews before merging new changes 		

EDUCATION

Ottawa, ON	Carleton University	Fall 2018 – Present
<ul style="list-style-type: none"> Third year undergraduate in Computer Science Honors program, Software Engineering stream with Co-op option, minoring in Statistics Dean's list student current GPA: 12.0 		
Online	Coursera	Aug 2020 – Jan 2021
<ul style="list-style-type: none"> Completed Machine Learning and Deep Learning specialization Analyzed learning curves to assess problems with ML algorithms and follow up with the most effective steps to improve performance Coursework included: CNNs, RNNs, implementing models for various assignment problems and specification 		

ADDITIONAL EXPERIENCE AND AWARDS

Sunhacks (2020) Participated in hackathon, created a workout planner app with **React Native**

DELFI B2 Certification (2018) French bilingualism certificate

TECHNICAL SKILLS

Areas of Interest

- Full Stack Development
- Machine Learning
- Design and analysis of algorithms

People Skills

- Team Player
- Agile Development
- Kind and Knowledgeable
- Able to collaborate and work well with others

Programming Languages

- TypeScript
- Python
- Java
- C
- C++

Frameworks and Tech

- React.js
- Node.js
- MongoDB
- Redux
- Stripe
- TensorFlow / Keras
- NumPy / pandas
- Docker

Software

- Git
- Figma
- VSCode
- WebStorm / JetBrains IDEs
- Microsoft Visio

Other Skills

- Object-Oriented Programming
- Problem solving and debugging
- UML



martindmtrv.github.io



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