

Adrian Iannantuono

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Education

BASc in Computer Engineering (Co-op) University of Ottawa

Sep 2018 - Ongoing

- Software: Assembly code (Motorola 68HC12), UML Diagrams,
- Electrical: AC/DC circuit and signal analysis (Matlab, Multisim), Digital logic circuits (Quartus II, VHDL, Altera DE2-115)

Employment

Web & Software Developer (Co-op)

Patio Concepts

Jan-Dec 2021

This role involved me taking on web and software projects that directly impacted the customers buying experience. I also made improvements to employee facing applications used to manage quotes and visualize custom orders.

- Maintained static e-commerce websites (updated prices, page layouts and site structure).
- Improved the company's 3D modelling application by fixing performance issues and adding visuals that show dimensions of their complex products.
- Decreased code complexity by refactoring duplicated logic into reusable components.
- Researched and implemented API's that were used to replace the company's existing payment solution.
- Decreased the risk of human errors when transferring content to the company's new website by creating a script to parse and save website content.
- Utilized: JS (Nuxt.js, Three.js), HTML/CSS, Bootstrap, Git, Python, SQL, API (Stripe, Shopify, Snipcart), PHP (Laravel), Webpack, Netlify

IT Student (Co-op)

Magna International

May-Aug 2020

- Designed, developed and executed a library containing scripts to help manage large amounts of data in Amazon Web Services S3 environments.
 - Worked closely with engineers to optimize algorithms for efficiency and cost savings.
 - Trained employees and provided documentation on how to use the AWS management tools.
 - Managed IT infrastructure refresh projects and supported the customer throughout the process.
- Met with managers and implemented changes to the company's service management system.
- Utilized: Python, AWS, Git

Projects

Order Manager Web Application

- Developed a web application using React.js to replace a company's existing order management software.
- Created a back-end RESTful API on a server running a Node.js application to handle SQL queries.
- Utilized: React.js, TypeScript, Ionic Framework, Google Cloud, SQL, RESTful API, Node.js (Express).

COVID-19 Screening Web Application

- Improved the safety of employees by developing a web-based COVID-19 screening application.
- Utilized: HTML/CSS, JavaScript, Google Cloud (Firebase Auth, Database & Functions)

Intervalometer For Sony Cameras

- Designed and prototyped a PCB which interfaced with Sony cameras to take pictures at a set interval.
- Utilized: Arduino, Soldering, Autodesk Eagle (PCB Design)

Skills

Software: (proficient) Python, JavaScript (React.js, TypeScript, Nuxt.js, Node.js, Three.js), Git, HTML/CSS, SQL, Java, C, Google Cloud, Swift (familiar) AWS

Electrical: Oscilloscope, MultiSim, Waveform generator, Autodesk Eagle, Multimeter, Soldering, MatLab, VHDL

References

Upon Request