Matthew Alunni

https://matthewalunni.github.io/portfolio/
https://github.com/matthewalunni/

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SUMMARY

IT professional and Engineering Design student with 5+ years' experience developing web, mobile, and desktop solutions for diverse industry clients. Highly instrumental in all phases of the SDLC, with expertise in data structures and algorithms.

EDUCATION

- **Master of Engineering Design in Product Design; GPA: 4.00** — McMaster University
  Coursework: Industrial Automation, IoT, Rapid Prototyping, Advanced Robotics and Automation

- **Bachelor of Computing and Business** — Brock University
  Coursework: Data Structures and Algorithms, Databases, AI, OOP, Software Engineering, Networking

EXPERIENCE

- **Deloitte** — Toronto, ON
  Software Developer — *Jan. 2022 - Present*
  - **Ad Portal**: Worked with project managers to help build a single-page web application using NextJS and TypeScript to introduce ad revenue to all Loblaws e-commerce stores.
  - **Automation**: Configured CI/CD pipelines so that each commit a developer makes will go through a standard lint, test, build and release process in GitLab CI.
  - **User Interface**: Used React with Material UI to create custom UI components following Figma mockups showing graphs, tables, and forms.
  - **Code Reviews**: Conducted and received code reviews to ensure the work delivered by the team is of the highest quality.

- **RBC** — Toronto, ON
  Software Developer — *April 2019 - Sept. 2021*
  - **Ticketing Kanban**: Worked in an agile environment creating Python/Django web applications using a SQL Server database on the backend to create a ticketing system to manage the work of cybersecurity consultants.
  - **Automation**: Worked with and designed RESTful APIs to automate business processes saving thousands of hours for the cybersecurity consulting team.
  - **Dashboards**: Used React with Bootstrap and Axios to follow mockups in creating a front-end for a ticketing system, showing graphs, statistics, and graphics.
  - **Automation**: Independently created C# desktop applications to automate project intake by using analytical skills to save time for members of the cybersecurity department
  - **Employee Management System**: Added utility by creating a .NET application that integrated with tools such as ActiveDirectory to provide convenience for RBC employees.

- **Campari Canada** — Toronto, ON
  Software Developer — *July 2018 - Dec. 2018*
  - **Intranet Site**: Independently built Campari Canada's intranet site by using Django with a PostGres database, deployed with Heroku to allow Campari to properly organize their internal resources.
  - **Dashboards**: Created responsive dashboards using React to allow for a more fluid experience, integrating internal and external Campari employee resources.
  - **Data Collection and Storage**: Integrated a Python backend with a PostGres database to help efficiently store, edit, and monitor employee data.

PROJECTS

- **TowerGrow**: A 3D printed IoT desktop hydroponic garden controlled through a React Native mobile application

PROGRAMMING SKILLS

- HTML, CSS, Bootstrap, Material UI, TypeScript, React, Node.js, Python, Django, React Native, Git, SQL Server, PostGres, Linux, Heroku, Docker, CAD, Cura, Fusion360