

# MAAN PATEL

University Of Waterloo | 3<sup>rd</sup> Year Engineer



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## Education

**Management Engineering** - University of Waterloo

Sept 2019 – Apr 2024

Courses: Data Structures & Algorithms, Databases & Software Design, Search Engines, Advanced Probability & Statistics, Linear Algebra, Advanced Calculus, Stochastic Models, Introduction to Machine Learning

## Skills

**Languages** JavaScript, C#, Python, SQL, Java, Ruby, R, XML, XAML, ABAP

**Web** React, Redux, Node.js, Django, jQuery, Ruby on Rails, Express.js, Bootstrap, HTML5, CSS, SASS

**Technologies** Linux, Git, GitLab, .NET, Unix, JUnit, xUnit.net, Android Studio, XCode, VS Studio, SAP

**Databases** MySQL, MongoDB, PostgreSQL, SQLite, SQL Server

## Experience

**Full-Stack Developer Intern** | Triyo (TS Analytics) (Toronto, ON, CA)

May 2022 – Sep 2022

- Worked in a start-up environment to create over **60 Pull Requests and solve over dozen bugs, tasks, and user stories** by working closely with the product, design, and dev team under tight deadlines.
- **Improved core feature's loading time by 45%** as a result of using Lazy Loading, React Hooks, migrating MVC to Entity Framework using dotnet with C#, caching and reducing calls to the database.
- **Created SQL scripts to import over 25,000 records to production database** by using DML statements.

**Software/Mobile Developer Intern** | Prometheusgroup (Raleigh, NC, USA)

Sep 2021 – Dec 2021

- Wrote production code on Windows, Android, and iOS platforms for clients such as Nestle, Tarmac, Messer, and more to **provide ERP solutions integrated with SAP for over 20,000 users**.
- Coded with Java and XML in Android Studio IDE, C# and XAML in Windows Visual Studio, C and C++ in XCode, and ABAP in SAP to deliver new features and fix bugs.
- **Delivered projects 2 weeks early for several customers** by working closely with an amazing team in a Kanban Agile environment using Scrum, Jira, and Jenkins to deliver builds.

**IT Security Risk & Audit Analyst Intern** | Toronto District School Board (Toronto, ON)

Apr 2019 – Sept 2019

- **Stored over 50,000** student/teacher records, IP addresses, TCP ports, and visited websites by creating an XML storage to fulfill organizational need.
- Programmed in a sample workstation to do ethical hacking using SQL queries, testing security features, and monitoring network activities **to expose over 15 critical threats, and 23 normal threats**. Worked with the website team to fix vulnerabilities such as Cross-Site Scripting using JavaScript/DOM.

## Projects

**Automatic-Stock-Portfolio-Generator** - Python, Django, React, REST API, SQLite, HTML/CSS

Feb 2021

- An automatic stock portfolio is generated from user's Investment Capital, Time of Investment, and Risk Level. Users can also paper trade with \$100,000 starting capital. Stock Prices were obtained using several APIs and in-house database. Django is used as the web framework. Back-end functions were created to make recommendations, and display charts. (<https://port-gen.herokuapp.com>)

**Wonders World** - JavaScript, Node.js, Express, MongoDB, APIs, Async Functions, Password Hashing

Apr 2020

- Full stack app made using JavaScript, Node.js (for backed), Express (for the web framework), MongoDB (for storing data such as users, passwords, locations, description, etc.), Password Hashing, Async JS (for requests), Error Handling Middlewares, and HTML/CSS & Bootstrap (for front-end). (<https://wonders-world.herokuapp.com>)