Logan Rose

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Education

University of Ottawa
Bachelor of Science | Honours in Computer Science
- Expected Graduation December 2022
- 8.2 CGPA (~3.7 on 4.0 Scale)
- Relevant course material: data structures, design, and analysis of algorithms, databases, operating systems, formal languages, discrete structures, software design principles.

Work Experience

Privy Council Office
Student Full Stack Developer | January 2021 - Present
- Worked using TypeScript in Angular framework for front-end work.
- Worked using C# in .NET for back-end work, working heavily with Entity Frameworks.
- Worked primarily on an internal news aggregator, adding features, and optimizing performance.
- Lead Twitter integration project, working with the Twitter API to add social media monitoring features.

Technical Skills:

Python, Java, JavaScript, TypeScript, Angular, Flask, C#, ASP.NET Core, Entity Frameworks, MS SQL Server, PostgreSQL, Firebase, REST APIs, Docker, Git, Azure, HTML/CSS

Side Projects

Crypto Currency Trading Bot *Python | Flask | JavaScript*
- Developed a bot that buys and sells cryptocurrency according to a strategy determined by the user.
- Created a web interface where users can add buy and sell triggers from a list of momentum indicators and candlestick patterns.
- Used WebSocket Stream to get real-time data and Binance API to execute trades.

Debate Partner Assignment Bot *Firebase | JavaScript*
- Developed a web app that assigns debate partners, teams, and judges for British and Canadian Parliamentary debate formats.
- Designed and Implemented a user interface that allows debaters to check in to meetings and rank their preferred partners.
- Created admin terminal where admin users can select the debate format, and preview assignments before releasing them to users.

Travelling Salesperson Problem Visualizer *JavaScript | HTML & CSS*
- Created a visualizer that shows the optimal (or near-optimal) path to traverse all nodes on a graph.
- Allows the user to add, remove, or drag nodes while updating the path in real-time.
- Users can select from a list of algorithms, see an explanation of the algorithm, and its running time.

Club Experience

uOttawa English Debating Society
President | January 2021 - Present
- Ran weekly meetings, prepared seminars on debate mechanics, oversaw the executive team, interfaced with the university, other debate clubs, and governing bodies on behalf of the club.
- Competed at regional, national, and international debate tournaments, notably finishing 6th at the Canadian National British Parliamentary Debate Championship in 2020.