KAEL BOSLAND

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Education

- 4th Year Honours Bachelor of Computer Science at McMaster University

Skills Summary

- **Languages:** C#, JavaScript, SQL, Python, Java, C++, C, HTML, CSS, Bash
- **Frameworks/Libraries:** ASP.NET, ASP.NET MVC, Angular, Django, Entity Framework
- **Other:** XAML, Microsoft Azure, Git, TFS, JSON, Linux/UNXI

Employment Experience

Ontario Financing Authority (OFA), Toronto, ON   **April 2018 – Current**
Junior Developer

- Boosted the speed of queries by converting in-line SQL scripts used in MVC applications to stored procedures
- Increased efficiency of user and data verification by adding client-side verification to the front-end of internal applications using JavaScript, therefore lowering calls to verification microservices
- Configured networking of .NET Core web applications to communicate with SQL Server and WCF services effectively
- Collaborated closely with high level members of the Banking department to implement new features in web applications to enhance user experiences

Cuisinart Canada, Vaughn, ON   **April 2017 – November 2017**
IT Department Intern

- Performed research of competing websites in the industry to strategize ways of improving the website to enrich user experiences
- Contributed to an increase in product sales by pitching my ideas to high ranking members of Cuisinart Canada and having them implemented
- Maximized efficiency of future website restructuring by compiling a database of product images as well as product information and statistics

Projects

Tag Along   **March 2019**

- Using Google AR Core, Google Cloud SQL and Unity, created an immersive social engagement tool that fosters close-knit connections with like-minded individuals to stop social isolation in its tracks. Created at Hackville 2019, won awards for 2nd Place Overall, Best UX, 2nd Best Solution for Social Isolation
- Link to the app: https://devpost.com/software/tag-along

Self Driving Car AI   **February 2019 - Current**

- Using Python, created a smart self driving car simulation that uses a made from scratch collision detection and sensor system to avoid obstacles on a racetrack. Currently working on finding the optimal path around the track using a reward system and deep reinforcement learning

ASP .NET Core MVC Web App   **July 2018**

- Used as a university manager app, where students can register accounts, log in, enroll/drop classes and send each other emails – all data was stored in an SQL Server database through stored procedures
- Added client-side verification using JavaScript functions to completely prevent possibility of errors in applications as well as microservices to increase separation of concerns