KAEL BOSLAND

kael.bosland10@gmail.com | 905-808-6420 | www.kaelbosland.com

Employment Experience

Amazon Web Services (EC2 Auto Scaling), Vancouver, BC   **June 2019 – September 2019**
Software Engineering Intern

- Increased performance of launching spot instances for AutoScaling groups using launch configurations by migrating to a new and improved launch strategy
- Enhanced the efficiency of my teams testing by creating a set of bash scripts outside the scope of my project to help automate the process of testing new features locally
- Wrote end-to-end integration tests using Cucumber and integrated them into the deployment pipeline
- Participated in the full software development lifecycle when implementing a new feature for mixed instance groups

Ontario Financing Authority (OFA), Toronto, ON   **April 2018 – May 2019**
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, Vaughan, ON   **April 2017 – September 2017**
IT Intern

- Enhanced the efficiency for customers to buy from Cuisinart in bulk by creating fillable order forms using JavaScript
- Influenced design changes to the Cuisinart website by performing competitive research and pitching my ideas to high ranking members of the company
- Collaborated in an agile environment and gained practical experience in the software development life cycle

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

Self Driving Car AI   **February 2019 – April 2019**

- 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

Education

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

Skills Summary

- **Languages:** Java, C#, Python, JavaScript, SQL, C++, C, Bash
- **Other:** Git, ASP.NET, ASP.NET MVC, Linux/UNIX, HTML 5, CSS, Angular, Django, Entity Framework