

Adrian Winkler

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Skills and Interests

Coding: SQL, Java, Python, AngularJS, JavaScript, Scripting, HTML, CSS, MATLAB, C, Visual Basic, .NET

Software: Microsoft SQL Server, Git, Bitbucket, JIRA, Jenkins, Eclipse, MATLAB, Visual Studio, Microsoft Office

Soft Skills: Motivated to learn, teamwork, collaboration, excellent communication skills and leadership

Interests: Machine learning, data science, snowboarding and swimming

Education

Honors Bachelor of Engineering (B.ENG), Software Engineering

Expected April 2019

Lassonde School of Engineering, York University, Toronto

Specialization: Big Data, Machine Learning, Software Engineering, Algorithm Design

Awards: Entrance Scholarship, Lassonde Award

Employment Experience

TD Bank Group, TD West Tower, Toronto, Ontario

May 2018 – August 2018

Web Application Developer

- Built UI features; operated in an Agile & Scrum environment to deliver fast paced solutions and demonstrated them to product owner
- Was responsible for redesigning the document upload, download services to a newer, more secure procedure for TD's Web app

Manufacturing Systems Corp., Newmarket, Ontario

May 2016 – April 2017

Software Developer

- Automated translation process by creating C# .Net application to read data files, modify the data and generate SQL scripts to increase efficiency
- Communicated with clients and managers to develop customized features to better meet customers' requirements
- Developed customized interfaces, and API for Windows applications and Windows mobile devices for better user experience

Projects

Machine Learning Project – Classifying Handwritten Digits

- Analyzed and compared accuracy of k-nearest Neighbour Classifier, Decision Tree Classifiers, Neural Networks to recognize hand written digits, MNIST Dataset
- Optimized Neural Network to achieve highest accuracy in python using TensorFlow and Scikit-learn

YouTube/Twitter Trending Analysis

- Created analytics platform that did real time trend analysis between trending YouTube videos and trending Tweets using Python
- Performed textual analysis of video title, description and tweets to determine what is trending and created live updating interactive visual representations

Extracurricular

Competitions:

- *TD Hackathon, Level Up Quest 2018:* Lead the design and development of a student housing platform to solve issues of unreliable landlords
- *ACM Programming contest 2017:* Placed in top 10% at York University across multiple programming challenges
- *Engineering Design Competition 2018:* Designed and developed a robot to complete an obstacle course using a microcontroller

Conferences:

- *TD Block Chain conference 2018:* Presentation lead by TD VP, outline the issues block chain experience and how TD plans to apply it
- *Interac Developer Center conference 2018:* Demonstrated the new API for small business to create PO's and request money