

Tony Chen

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EXPERIENCE

Deloitte – Toronto, Canada Sep 2018 – Dec 2018
Data Scientist Intern

- Part of Omnia AI, Deloitte's AI practice.

Datalogue – Montreal, Canada May 2018 – Aug 2018
Research Intern (Machine Learning)

- Implemented variational autoencoder model for unsupervised outlier detection using Python and Keras.
- Implemented sequence autoencoder model for word embedding learning which are used for classification problems.

BlackBerry – Ottawa, Canada May 2017 – Dec 2017
Software Development Student

- Worked on Performance team. Developed features of the performance lab which illustrates and compares KPI metrics of individual OS versions. Worked with Python, Numpy, MongoDB, Javascript and Google Charts.
- Optimized script runtime by 40% and reformatted data to reduce size by > 70%.
- Completed overhaul of existing UI and reusable UI template for simpler usability and faster development.
- Maintained Token Management Portal using Java Spring.

TECTC – Tianjin, China May 2015 – Aug 2015
Software Engineering Intern

- Implemented a RESTful web service using Java Spring and MySQL to show market sentiment using multiple indicators.
- Implemented VBA script to parse data in Excel, saving dozens of employees couple hours per day.

PROJECTS

Sit Straight

- Built real-time in-browser posture detection to help user sit straight. Used PoseNet for real-time body parts detection in browser using TensorFlow.js

Mateband

- Worked on smartband solution for large scale events (music festivals, theme parks and etc.) using BLE mesh.
- Created website using JavaScript, HTML5 and CSS3.
- Semi-Finalist at McGill Dobson Cup 2017.

EDUCATION

McGill University
B.S. Computer Science
Expected May 2019

Relevant Coursework

Data Structures, Algorithm Design, Software Design, Artificial Intelligence, Applied Machine Learning, Database Systems, Programming Paradigm, Probability, Discrete Structures

SKILLS

Proficient languages

Java, Python, C++, Javascript, Bash, HTML5, CSS3,

Tools/Libraries

TensorFlow, Keras, SciKit-Learn, MySQL, Kafka, Spark, BigQuery, React, D3, Flask

VOLUNTEERING

Disrupt Montreal – Mentor
Mentored at a Thinkathon. Helped teams' validate technical feasibility.

AWARDS

Semi-Finalist, McGill
Dobson Cup 2017

2nd Place, deCODE
Hackathon 2015 - You.i challenge