

Tony Chen

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EXPERIENCE

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

- Working on a medical name-entity recognition model with Keras.
- Implemented real-time dashboard for emotion recognition application using React, D3, Kafka and BigQuery.

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 dashboard which illustrates and compares KPI metrics of individual OS versions. Worked with Python, Numpy, React, MongoDB and Google Charts.
- Optimized data processing script runtime by 40% and reformatted data schema to reduce size by > 70%.
- 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.
- Created prototype using Swift and Estimotes.
- 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, Javascript, Bash, HTML5/CSS3,

Tools/Libraries

React, Node.js, Flask, MySQL, TensorFlow, Keras, SciKit-Learn, Numpy, Kafka, BigQuery, D3

VOLUNTEERING

Disrupt Montreal – Mentor

Mentored at a Thinkathon. Helped teams' validate technical feasibility.

AWARDS

Semi-Finalist, McGill

Dobson Cup 2017

2nd Place, deCODE

Hackathon 2016 - You.i challenge