

SEAN WU

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EDUCATION

University of Toronto – Honours Bachelor of Science
Toronto, Ontario September 2017 – April 2022
Statistics Specialist, Mathematics Major Latest sessional GPA: 4.0

PROFESSIONAL EXPERIENCE

IBM – Cloud DevOps Developer Intern
Markham, Ontario May 2020 – August 2021

- Created an automation script with Python that reduced package validation time by >85% and increased test scope by >1000%
- Initiated and presented an independent project converting GA360 data to visualizations and a predictive model built with TensorFlow utilizing random-forest for external webpage metrics
- Lead role to a 30-people team on the transition to GitHub & JIRA, strategized best practices and created instructional videos

Mackenzie Investments – Technology Associate Intern
Toronto, Ontario May 2019 – August 2019

- Developed ETL-features with Python to accept internal sales data in CSV format, and automated data cleaning
- Conducted SQL queries to maintain automated regression tests

NCI Canada Inc. – Data Analyst Intern
Oakville, Ontario May 2018 – August 2018

- Automated data mining process for coupling prices with Python
- Created spreadsheets to discover discrepancies in shipments

PROJECTS

Nostradamus – Algorithmic Trading Assistant

- Reinforcement learning model trained on historical data and current news sentiments analyzed from BERT
- Simulates interest rates via Monte Carlo + Brownian motion

Shoop – General Augmented Reality Framework

- Facial recognition and logging, assigning emotion metrics, overlaying images to faces depending on emotion
- Voice detection to activate weather displays and timers

SKILLS & TOOLS

Python (NumPy, Pandas, Keras
TensorFlow, SciKit-Learn, Pickle,
Matplotlib), SQL, R

Git, JIRA, Google Analytics, Excel

Linux, Windows, iOS, VMs

Agile methodology,
Machine learning diagnostics,
Statistical analysis

AWARDS & HONOURS

Hack Harvard 2017

“Best Overall” prize
Project: [WiFindr](#)

Hack Princeton Spring 2017

“Made My Day” prize
Project: [Rubber Security](#)

LANGUAGES

English (native proficiency)

Mandarin (native proficiency)

French (elementary proficiency)

German (elementary proficiency)

CERTIFICATES

Deep Learning (IBM)

Docker Essentials (IBM)

Kubernetes Essentials (IBM)

Graph Theory Algorithms (Udemy)

Quantitative Finance & Algorithmic
Trading in Python (Udemy)