David Wang

github.com/Devmalion

Work Experience

≋ Data Engineering Intern
Sept/2017 - Dec/2017

Wealthsimple, Toronto, Ontario

- Created 4 ETL Data Pipelines using AWS Data Pipelines to aggregate and transform raw application data into practical output used for business analysis
- Leveraged Apache Spark to ETL an exponentially growing table with over 40 million rows to deliver fundamental business metrics to the entire organization
- Responsible for implementing a new analytics platform into several microservices related to the main web application to analyze customer behaviour and intent
- Ran SQL Workshops every Friday to assist business colleagues improve their SQL proficiency to make well informed decisions backed by our data

≋ Data Science Intern
Jan/2017 - Apr/2017

Capital One Labs, Kitchener, Ontario

- Responsible for creating 3 new graph visualization features (budgeting tools) for over 3000 beta users on the Capital One Android app
- Built a backend microservice in Node.js to provide consumer transaction data to the mobile app
- Created an internal dashboard tool that aggregates over 5000 App Reviews from the iOS and Play Store to be easily manipulated in a Pivot table/chart

🏛 Software Engineering Intern
May/2016 - Aug/2016

Capital One Software Studio, Toronto, Ontario

- Tasked with revamping and developing a new company website used by thousands of customers
- Leveraged the Contentful CMS to allow designers to easily make changes without requiring developers/development work
- Created an end-to-end (CI) pipeline to trivialize and speed up the development/production process
- Communicated with multiple teams, on-site and off-site, to achieve all weekly and monthly objectives
- Practiced agile methodologies and regularly adjusted to new goals

Activities

◎ UW Airsoft Club Executive Member
Sept/2016 - Present

University of Waterloo, Waterloo, Ontario

- Organized and conducted club meetings to assist new members learn the rules and safety requirements for the sport of Airsoft
- Coordinated bi-weekly club events to local fields to play Airsoft
- Assisted 27 members in coordinating rides to attend local and far events

♟ Co-Founder and Executive Member
Dec/2014 - May/2015

Massey Hackers, Windsor, Ontario

- Co-founded the inaugural club for app development with 3 other executives which grew to include 64 members
- Developed a course outline containing Android development and Back-end development in Node.js to span a course of 12 weeks

Technical Skills

Proficient	Tools
• Python	• Photoshop
• Java	• InDesign
• SQL	• Bash
Familiar	• Git/Github
• C / C++	• Vim
• Ruby	**Frameworks**
• HTML	• Rails
• CSS	• Angular
• Javascript	• Apache Spark
• NoSQL	• Android

Education

- **Candidate for Bachelor of Computer Science, Honours Computer Science (Sept/2015 - Apr/2020)**
  University of Waterloo

Relevant Courses

- Algorithms (CS341)
- Applied Probability (STAT333)

Awards and Scholarships

- **Vincent Massey Secondary School Honour Roll with Distinction (2011-2015)**
- **University of Waterloo President's Scholarship (2015)**
  Achieved an admission average between 90-94.9%

Interests

- **Video Games**
  Top 10% in Injustice 2
  Global Elite (Top 2.5%) in CS:GO
- **Airsoft**
  Military Simulation
  Weekend Skirmish
- **Poker - Texas Hold'Em**