

Steven Chen

(604)781-9692 | s_chen@hotmail.ca | as of November 26, 2018

EDUCATION

Western University – 3.9/4.0 Cumulative GPA (4.0 Major GPA) **London, ON**
BS, Honors Computer Science & BA, Honors Business Administration 2017 – Present
Current Courses: Data Struct & Algos, Computer Architecture, System Programming, Calc, Discrete Math

WORK EXPERIENCE

iA Financial Group **Vancouver, BC**
Summer Technology Analyst, Software Developer May 2018 – August 2018

- Designed, implemented Python Data Pipeline to track client email service quality & efficiency: delivers structured data w/ Outlook API, SQL tool & unstructured analytics such as sentiment analysis w/ REST APIs
- Devised Key Performance Metrics for Workflow system: setup SQL data warehouse queries & BI dashboard
- Documented business processes for Workflow's functional testing, performed acceptance testing, created plans for process automation, wrote VBA & PowerShell scripts, used Jira in Agile environment to track bugs

Adanac Cross Border Tax **Vancouver, BC**
Summer Accounting Assistant May 2017 – August 2017

- Created spreadsheets based on US & Canadian tax forms to aggregate info & reduce tax prep time
- Worked w/ Principal on integrating Tax software into existing workflows; Adapted accounting procedures

ACITIVITIES

Programming Projects **London, ON**

- *HackWestern 2018 Winning Project TravelSafe*: Created web app using node.js & react.js that finds the safest route between 2 given locations by using graph traversal algorithm with here.com's mapping APIs rerouting around geolocations of real-time Chicago crime incident data from Google BigQuery
- *Chrome Extension*: Generates web usage data & provides front-end analytics dashboard, custom alerts/limits
- *Tweet Analysis*: NLP & classification machine learning with Twitter API to create sentiment analysis geomap
- *Nonprofit websites (ie. www.unitetochange.org)*: Full-stack dev, web design, content editing, maintenance
- *School Project*: Implemented low-level compression algorithms with Huffman, Run-Length Encoding, more

Technology Case Competitions **London, ON**
Student Competitor December 2017 – Present

- Researched ecommerce platforms & millennial entrepreneurs, then presented competitive analysis for Shopify
- Worked w/ IBM consultants on proposal of crowdfunding solution using Watson technologies for CIBC bank

Non-Profit Volunteer Work **Vancouver, BC**
Coordinator at startswithone.ca, gyhssa.com, unitetochange.org September 2015 – Present

- Coordinated after-school STEM programs, awareness campaigns, fundraisers for underprivileged students
- Implemented accounting processes & used Python + VBA scripts to automate financial & budget reporting

University of Pennsylvania & Wharton School **Philadelphia, PA**
Summer Scholar & Researcher July 2016 – August 2016

- Worked with Penn engineers & doctors on designing prototype device that detects then alerts fatigued drivers
- Identified gap in transportation safety & pitched a business plan with value proposition, industry analysis, etc

SKILLS

Languages: Python, Java, SQL, HTML/CSS, JavaScript, R, C/C++

Technologies: Linux/Unix, Windows, Git, Cloud (Azure, AWS, Google Cloud), BI (Tableau, Excel, Power BI)