Bowen Zhang

SOFTWARE IMPLEMENTATION PROFESSIONAL WITH STRONG DATA BACKGROUND SEEKING NEW ROLE

647-907-9588 | bzhang193@gmail.com | www.bowenzhg.com | b-zhang93 | bowenzhg

Education

Massachusetts Institute of Technology (Online)   *Online*
Micro-Masters - Data, Economics, and Development Policy   *June 2018 – Jan. 2019*

Overview:
- Completed graduate level courses and learned a full set of tools and skills required for data analysis in the social sciences
- Passed online coursework & exams plus in-person proctored exams for each course – obtained certificate in 6 months

Graduate Level Courses:
- *Data Analysis for Social Scientists* – Statistics, Probability Theory, Stochastic Modeling, Multivariate Regressions, RCT, A/B Testing, Machine Learning, Data Visualization, R
- *Designing and Running Randomized Evaluations* – Designing experiments, Sampling, Data Collection, Research Integrity
- *Foundations of Developmental Policy* – Development of Education, Health, Gender, Risk, Public Policy and Institutions
- *Challenges of Global Poverty* – Economic Models on Poverty, Using Big Data to find solutions for poverty
- *Other:* undergraduate level Microeconomics course involving quantitative and theoretical economic work

York University   *Toronto, ON*
Honours B.A. Specializing Financial and Business Economics   *Sep. 2011 – Apr. 2017*

- Overall GPA: B+ | Major GPA: A
- *Relevant Coursework:* Econometrics, Advanced Calculus, Vector Algebra, Matrices, Multivariate Optimization, Regression Models, Financial & Economic Models, Probability, Multiple Regression Analysis and Forecasting, Nonparametric Methods, Experimental Design, Variance Analysis, Distributions, Hypothesis Testing, Interval Estimation
- GRE Score: 168 Quant | 159 Verbal | 5 Essay

Experience

Reynolds & Reynolds   *Toronto, ON*
Software Implementation Specialist   *June 2017 - Sep. 2018*

- Implemented automotive CRM software for industry leading Fortune 500 automotive companies
- Trained and coached users from Management to Technician level on various levels of the software
- Found cost saving opportunities for clients by presenting our new analytics and dashboard features
- Obtained Reynold's Software Implementation Certificate to officially lead and implement installation projects

Celestica   *Toronto, ON*
IT Analyst – Internship   *May 2015 – Aug 2017*

- Reduced service desk tickets by 30% and cost saving of $300,000 that year by analyzing data using multiple regression analysis in Excel to find cost saving opportunities and presenting strategies to IT managers across 10 sites globally
- Performed end-to-end audit analysis on the compliance of thirty IT projects including scraping and collecting data, creating the database, analyzing the data, and presenting findings to IT director and Internal Auditor – Analysis led to overhauling project workflows for better efficiency and organization.
- Automated various tasks by creating models in Excel or Google Sheets to take raw data and turn it into the necessary output; saving time and labour for future interns and myself
- Ensured proper governance and data integrity for database of key IT project information

Skills

Programming	C · Python · HTML/CSS
Analytics	SQL · Tableau · Excel/VBA · R (ggplot2, Tidyverse, Rstudio)
Media/Other	Audacity · FL Studio · Photoshop · Premiere Pro · MS Office · Smartsheet

Certificates & Courses

Introduction to Computer Science CS50x
Harvard Extension School

Online

Sept 2019– Oct 2019

- Practiced programming basics in C, Python, SQL, HTML/CSS, JavaScript - also using Flask, Jinja, Jquery, AJAX
- Learned algorithmic thinking, memory, pointers, data structures and other computing fundamentals

Python 3 Bootcamp
Udemy

Online

2019

R Programming A – Z: for Data Science
Udemy

Online

2019

SQL – MySQL for Data Analytics and Business Intelligence
365 Careers via Udemy

Online

2019

Projects

My Interview App - [github.com/b-zhang93/Project-My-Interview-App]

2019

- Implemented SQL, Python, HTML, JavaScript to build a comprehensive web application that creates a shareable interactive interview experience
- Created a database in SQL that stores user info and their interview application set up and interview details
- Connected SQL and HTML with Python using FLASK for a full end-to-end web application
- Utilized JavaScript to integrate user data from SQL database server and enhance usability / user experience of website

Scratch Baseball Simulator - [scratch.mit.edu/projects/327541578]

2019

- Created a baseball arcade game using Scratch tool from MIT as an introduction project for CS50x
- Weaved together logic pieces to animate sprites, change backgrounds, keep scores, and track user input
- Creatively used algorithmic thinking to simulate baseball physics - when the ball hits the bat based on user timing and determine if hit was a strike or a homerun.

Volunteer & Activities

Podcast Producer / Social Media Content Creator
Founder/Producer

Toronto, ON

Sept. 2018 - Ongoing

- Built a fan base by producing content for multiple podcasts and (previously) YouTube channels across various topics
- Create and run advertisements for sponsors / local businesses to promote on social media through our platforms and via Facebook / Instagram / Google
- Leading a team of three members to plan, promote, and record weekly to reach hundreds of listeners per month

Canada Youth Policy
Oakville Consultation Representative

Oakville, ON

Jul. 2018 – Sept 2018

- Led consultation sessions in Oakville, Ontario to hold workshops for youths in the region
- Hosted symposiums regarding: Jobs & Economy, Education, Environment / Health, and Mental Health for Youth
- Passed collected information forward to policy team to formulate a final policy proposal for parliament

Junior Achievement – Celestica Branch
Company Advisor

Toronto, ON

Oct. 2015– Apr 2016

- Advised over 25 high school students to create a start-up business from initiation to liquidation in 18 weeks
- Designed a comprehensive and successful curriculum with other Advisors for the students
- Developed mentorship bonds with several students and was requested by a student to write letter of recommendation for their university application – student was accepted to the program
- Competed with other JA companies at the annual Junior Achievement Trade Show to sell products in real time