Ahmad Ghazi

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Summary

Experienced manager and instructor with over 12 years of experience and a demonstrated history of building technical teams in numerous industries: technology, financial, healthcare, telecommunications, and manufacturing industries. I am a strong business development professional with a Bachelor of Engineering and management focused on Software Engineering and Management from McMaster University. I also teach Data Science and Data Analytics part-time. I specialize in leading and growing teams through design and development of software and machine learning products.

Experience

Manager, Data & Analytics   Mar 2020 – Present
PwC Canada

- **Client was a Financial Regulatory Body:**
  - Managed a 10+ team on a $2M project to deliver an advanced analytics platform on the cloud. I was responsible for leading a team of data scientists and engineers to develop models for 11 use cases.
  - Led client and team discussions with their IT, Data and Financial analysts regarding integration with their current infrastructure and future plans – architecture and scaling
  - The use cases involved **OCR**, **NLP** and risk modelling and covered a range of advanced analytics problems including **identity matching, document classification, intelligent search, and general supervised learning** (optimization, classification, and regression). This was all developed and provisioned using **Microsoft Azure**. I was also responsible for upskilling current staff and hiring a new data scientist for the client
- Built and grew three internal products and teams that combine human resource, analytics and software resources to provide clients with insights and workforce transformation recommendations
- Constantly collaborating with our Financial, Private equity, and HR teams to deliver on cross line of service projects, delivering high quality products to our clients.
- **Legal Regulatory Body**: I was responsible for leading a team to collect and consolidate legal documents through a customer portal. Data was pulled using API connections. I built a pipeline that would collect files from law firms, normalize them across all firms and build a dashboard to visualize submissions, trends and calculate risk scores to recommend audits. Over 2500 law firms and over 10,000 documents are processed
- **Large Telecommunications Company:** Led a team in designing and developing a data model to take in 80+ use cases, 800 Cities and over 15 NAICS industries and developed a front-end that can be used to model, visualize, and analyze the 5G market, the company's fair share and allow for variability and scenario planning with adoption and roll out as parameters.

Team Lead, Machine Learning & Business Intelligence   Sep 2015 – Mar 2020
Fidelity Investments Canada

- Led and grew a team of 5 machine learning engineers and software to deliver machine-learning and AI solutions to production

- Present technical plans to senior executives and key stakeholders and evangelize that technical vision within Fidelity
- Built a central model framework to deploy our models and monitor/maintain them
  - Built on HTML5,javascript and python
- Developed a receipt reader that extracts the total, date and place to be fed to SalesForce and internal expense app through API. OpenCV and Tesseract
- Developed a bot that automated the start, execution and shutting down of a cluster to minimize runtime of servers. Saved the company roughly $80,000 annually
- Built RPA to collect all registered advisors and update our internal DB

Lead Instructor – Data Analytics and Visualization   Part-Time
University of Toronto

Lead Instructor – Python and R workshops   Part-Time
Queen's University

Lead Instructor – Data Science and Data Analytics   Part-Time
BrainStation

Education

McMaster University   2006 – 2012
Bachelor of Engineering (BEng), Software Engineering and Management

Senior Project: Self Driving R/C car

The project is to build a 1/10 scale remote controlled car and add a safety system to the car that will protect the car against unintended lane changes and collisions with stationary and moving objects.

I lead the team in developing the code for detecting lanes and objects on the track. We used an open source real-time computer vision library called OpenCV to detect lanes and any obstruction ahead of the car. This logic then fed the car whether to drive, switch lanes or stop.

The Data Incubator   2019
Applied Machine Learning – Data Science Foundations

Final Project: NLP – Analyzing Review Text

Built model to be able to extract the sentiment (positive or negative) from review text. I did this from Yelp review data. Built and compared three models to predict the rating of a review from its text.

- Bag of words • Normalized model • Bigram model