



DATA

KNIGHTS

# ALEX FUNG

Alex Fung is a Machine Learning Engineer at RBC. For the past year and a half, he has worked on several ML and AI projects, such as Trade Compliance ML models, AI-powered chatbots, and comparison of documents using document similarity techniques. Alex has also worked in full-stack development, leveraging various technologies such as Angular, Node.js, and Java. Alex studied Software Engineering with a Health Informatics Option at the University of Western Ontario.

## CONTACT

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# PATRICK OSBORNE

Patrick Osborne is a data analyst and business systems consultant who works with organizations eager to leverage their data toward continuous improvement and data driven decision-making. Over the last 6 years, Patrick has worked at KPMG LLP, Canadian Pacific Railway and York University in various project management and business systems focused roles. He thrives in demanding situations and has a passion for problem solving. Patrick holds a Bachelor of Applied Science in Business Informatics (Business and Computer Science) from McMaster University

## CONTACT

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# TONY LEE

Tony Lee is a Banking Advisor who works with everyday people to achieve their dreams and goals. Tony has a decade long experience in Sales, ran his own business and has been touted to be one of the fastest learners. Besides, he lived two years in New York City leading a team of 30 volunteers. Tony is certified with the Investment Funds Institute of Canada, holds two Bachelors degrees, one in Actuarial Science & another in Computer science both from UofT. Deep down, his true passion is for technology, computer science and math.

## CONTACT

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# VISWESH(VIS) KRISHNAMURTHY

Vis is a strategic leader & a management consultant who works with companies across industries, helping them champion change, save costs and realize extraordinary value. He spent the last 12 years in business process optimization and running high-performance continuous improvement teams. He has experience across wholesale distribution in scientific supplies, packaging, global shared services and briefly in food processing. Viswesh has a Bachelors in Engineering (Electronics & Communication) from Anna University, he is an ASQ Certified Six Sigma Black Belt and an APICS Certified Supply Chain Professional. He currently runs his consulting firm, Fletch Consulting Inc.

## CONTACT

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# PROJECT **AREAS**

So far, “Data Knights” has tackled Machine Learning projects across many disciplines like traffic data analysis, sports analytics, retail recommender systems, NLP, Audio & Image classification. Every member of the team brings a different strength to the table and complements the team well. The different project areas of interest are listed below by team member. Irrespective of the project assigned, the team is confident about exceeding sponsor expectations.

## ALEX

- Academic Research
- Public data analysis

## PATRICK

- Workforce / HR analysis
- Marketing

## TONY

- FinTech
- Edge computing

## VISWESH

- Manufacturing
- Logistics & Supply chain



# ML TOOLKIT

Over the last 6 months, the team has gained knowledge of a wide variety of ML tools. The team has consistently been learning new concepts and adding to their ML toolkit. Seen below, is a shortlist of tools & capabilities.

- Extensive experience with audio analysis/machine learning numerical/vector and image-based features, Cloud/GPU accelerated
- Neural networks for image recognition
- Google Cloud services and implementation
- Geospatial modelling
- UX Design and interactive results presentation/app development
- Business and proposal writing/data science in clear language
- NLP sentiment analysis
- NLP text classification

# TEAM COMMUNICATIONS

Every member of the team is equally available for meetings with the course instructor and project sponsors. However, Patrick & Viswesh will act as team coordinators and be each other's backup. We're flexible about meeting schedules, however, our preferred cadence is bi-weekly.

## CONTACTS:

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## HIRING AVAILABILITY

- Alex – Open to full time opportunities
- Patrick – Open to volunteer, consulting & part-time opportunities
- Tony – Open to full time opportunities
- Viswesh – Open to consulting and / or contract opportunities