

# Keagan O'Donoghue

Burnaby, BC

(778)-885-4208

keagan.odonoghue@gmail.com

www.linkedin.com/in/keagan-ai



## Skills & Qualifications

**Skills:** Vue.js, .NET Core, C#, Html, CSS, Python, Java, C++, Data Structures & Algorithms, Spark, Ruby, MySQL, MS SQL, Responsive Techniques, Tableau, SageMaker, TensorFlow, ETL Pipelines, Git, Agile, AWS.

**Certifications:** AWS Certified Security Specialty, AWS Certified SysOps Administrator Associate, AWS Certified Developer Associate, AWS Certified Solutions Architect Associate, Brainstation Data Science Diploma, University of California Berkeley CS188, NVIDIA Deep Learning for Computer Vision, MIT Deep Learning for Self-Driving Cars, Fast.ai Practical Deep Learning.

## Work Experience

### Cell Board Media | QA / Developer

September 2019 - Present

Vancouver

- Create and maintain a Restful API with a near real-time ETL pipeline, pointing to a MySQL backend db cluster.
- Assist in the design, development, construction, testing, delivery, implementation and maintenance of android and web applications
- Assist in optimizing performance of android and web applications.

### Elite Prep | Economics Teacher

September 2019 - Present

Vancouver

- Cultivate curiosity in AP students about economic theories, and spark discussions about economic issues in relation to real world events.
- Lecture for three hours regularly, communicating quantitative material with precision and clarity.

### South Western Group Insurance | Underwriting Associate

February 2019 - May 2019

Vancouver

- Aggregated data on commercial insurance accounts, cleaning data to ensure that all information received is accurate, properly signed and billed in the correct amount.
- Generated ad hoc reports for business users, also provided insurance binders, certificates and endorsements as required.

### Guardian Risk Managers Insurance | Underwriting Associate

May 2018 - July 2018

Vancouver

- Demonstrated the ability to meet multiple and/or unexpected deadlines in a demanding environment.
- Implemented automation software using the native compiler, while also assisting senior Underwriters with code review.

### HUB International Insurance | Data Processor

July 2014 - August 2016

Vancouver

- Facilitated data migration between information systems ultimately improving throughput efficiency 10x.
- Developed an algorithm in C++ within firm-specific software to generate personalized letters, invoices, coverage breakdowns and policy amendments; also protected sensitive materials, appraisals, questionnaires, private client correspondence and credit card data.

## Education

### Simon Fraser University

2014 - 2018

- Bachelors of Economics with a Minor in Business & President of the Economics Student Society  
Burnaby, BC

## Projects

### Kaggle: Freesound Audio Tagging Challenge

2019

Created an audio recognition model with fast.ai to classify non-vocal audio information. This application contributed to a global data science effort. Also, on August 10, 2019, gave a lecture about state-of-the-art audio recognition systems to 70 data scientists which was live-streamed on YouTube.

### AWS: DeepRacer

2019

Competed in the AWS Autonomous Racing league, which used reinforcement learning to train a self-driving car, also visualized AWS log data to see key decision features from the front facing camera.