

Samson Stannus

Montreal, QC, Canada • US and Canadian Citizen

+1 (514) 430-6498 | samsonstannus@gmail.com | /SamsonStannus | /SamsonStannus

WORK EXPERIENCE

Software Developer I

Mar '18 - Current

Expedia Group, Geography Team

- Collaborated with geographers and data scientists to build applications to import 100,000+ geographic entities to cover 99% of destination searches from Google.
- Developed a computer vision application to generate geography geometries from images.
- Created a UI to edit geometry which enabled geographers to fix 300+ invalid geographic entities.

Associate Software Developer

Jan '17 - Mar '18

Expedia Group, Content Systems Team/Geography Team

- Rebuilt RESTful Image processing web services to utilize a Kafka streaming architecture which reduced the latency of read and update requests by 88%.
- Built application to import geo-datasets in bulk and display dataset statistics.
- Developed service to query geography by popularity score percentile ranges.

Software Developer Intern

Jan '16 - Sep '16

Expedia Group, Content Systems Team

- Migrated image processing services on to AWS infrastructure reducing server and storage costs by 95%.
- Built a custom log-formatter to aid in issue investigation and report creation.

EDUCATION

McGill University

Sep '12 - Dec '16

Bachelor of Science, Computer Science

- Organized the 2016 annual McGill hackathon (McHacks) for 600+ hackers.
- Represented McGill at the 2016 Ubisoft Game Lab Competition.
- Completed advanced courses in Machine Learning and Computer Graphics.

PROJECTS AND ACCOLADES

Workshop presenter for Expedia Group xTech Conference 2018

Developed workshop on creating interactive geo-data visualizations using Mapbox and React.

Placed 2nd overall (1st in Montreal) in Expedia Global Hackathon 5.0

Trained a generative adversarial network based on the **SRGAN paper by Twitter** to enhance the resolution of hotel images.

Geo-Samesies-Net

A deep learning approach to geography similarity based on **Toponym Matching paper**.

gifflr.net

A Text to GIF converter which finds semi-relevant GIF images using the python Tumblr API.

SKILLS

Programming

Python, Scala, Java, JavaScript

Software and Frameworks

Git, Unix, Scalatra, Spring Boot, Splunk, Keras, Pandas, Scikit-Image, Postgres/PostGIS, AWS, React, Mapbox-GL, \LaTeX