

EXPERIENCE

Snap Inc

Staff Research Engineer

Apr 2024 - Present

Tech Lead and Eng Manager on the User Modeling and Personalization Research Team. Driving direction of large-scale GraphML engineering initiatives @ Snap.

Senior Research Engineer

Aug 2021 - Apr 2024

Research Engineer

Sep 2019 - Aug 2021

Focus around engineering Artificial Intelligence / Machine Learning systems to realize products out of Snap's research. Through contributions at the lab, have helped build solutions to train large-scale graph neural networks and de-duplicate news.

Software Engineer

Dec 2018 - Sep 2019

Engineered key features for Snap Publisher – a web tool for advertisers/publishers to post on Snapchat. Built framework and tooling, including CV/AI features, to ease development of high-performance video composition and editing tools on the web.

Research Engineer

Dec 2018 - Dec 2018

Maintained Research team's research cloud compute tooling, used by 100s of ML projects and practitioners to train ML models. Built tooling to manage cost scaling and reporting. Helped engineer foundations of projects in NLP and CV domains.

Software Engineer Intern

Jan 2017 - Apr. 2017

Designed a library for on-device offline keyword detection, which was later used as technology backing various speech recognition lenses.

Amazon Inc

Software Development Engineer Intern

May 2016 - Aug 2016

Developed software to automate localization for the Amazon Silk browser, saving roughly 1+ hour/week of manual engineering effort.

IBM

Mobile Solutions Developer

Sep 2015 - Dec 2015

Consulted for one of the top 5 financial institutions in Canada, engineering and presenting business and technical solutions centred around client authentication to C-level executives.

Microsoft

Xbox Marketing Assistant

Jan 2014 - Apr 2014

Automated computing viability of rebate programs related to video game inventories. Designed and led a digital marketing campaign for the Canadian market for new AAA game launch - Titanfall.

EDUCATION

University of Waterloo

Bachelors in Computer Science

Waterloo, ON

Dec. 2019

Wilfrid Laurier University

Bachelors in Business Administration

Waterloo, ON

Dec. 2019

SKILLS SUMMARY

Languages: Python, Scala, Java, Javascript, Objective-C, HTML, CSS

ML: PyTorch, PyG, Tensorflow, Numpy

Big Data: ApacheBeam, Spark, BigQuey

Web/Mobile: React, Redux, Node, Express, iOS

Tools: Bazel, Kubeflow

Cloud: GCP, AWS