

SUMMARY

MSc Data Science Student at EPFL with 5+ years of experience as a Software Engineer. Previously ML engineer at [integrate.ai](#), co-founder at [destin.ai](#), and Next AI entrepreneur. Actively interested in research into the nature of human intelligence, language, learning, and reasoning.

CONTACT

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SKILLS

TECHNOLOGIES

Python
Javascript
Java
C
C++
HTML
CSS
SQL
git
node.js
Shell scripting
Nginx
pyspark
React.js
MongoDB
terraform
REST API
pandas
Tensorflow
matplotlib
numpy
nltk
pytorch
sklearn
AWS Services

LANGUAGES

English
Turkish
Azerbaijani
Russian
French

EDUCATION

EPFL

Master Data Science 2023

Sep. 2021 to Present

University of Waterloo

Bachelor Computer Science 2016

With Distinction

Sep. 2012 to Jun. 2016

EMPLOYMENT

integrate.ai

Software/ML Engineer

Toronto, ON

Jul. 2019 to Aug. 2021

- Designed and developed core ML infrastructure and tools for Science team to train, test and deploy models
- Collaborated with ML Scientists on research projects to incorporate state of the art ML techniques into our platform
- Designed and developed a Federated Learning framework similar to [flower.dev](#)
- Researched and integrated various Differential Privacy techniques into our ML models

Destin AI

Co-founder & CTO

Toronto, ON

Sep. 2017 to Jun. 2019

- End-to-end design and development of the core platform ([destin.ai](#))
- Built an AI-powered chatbot solution ([m.me/heydestin](#))
- Participated in Next AI, DMZ, Legal Innovation Zone and MaRS accelerator programs

Bluecat Networks

Software Engineer

Toronto, ON

Sep. 2017 to Jul. 2018

Enhanced Bluecat's DNS, DHCP and IP solution with various features

Cisco Systems

Software Engineer

Ottawa, ON

Jun. 2016 to Jul. 2017

Developed a Python library for programmatic management of Cisco switches and routers

Freescal Semiconductor

Software Engineer Intern

Ottawa, ON

May 2015 to Aug. 2015

Automated testing and code coverage processes for Linux drivers

TD Securities

Software Developer Intern

Toronto, ON

May 2014 to Aug. 2014

Developed an accounting web app from end to end

PROJECTS

Differentially Private Random Forest Algorithm

Sep. 2021

Contributed to IBM's differential privacy library [diffprivlib](#)

Words and Personalities

Nov. 2021 to Dec. 2020

Data analysis project exploring the relationship between language and personalities

AWARDS

Full State Scholarship (2012-2016)

Government of Azerbaijan

Full funding during study at University of Waterloo

Sep. 2012

Certificate of Distinction in the Euclid Mathematics Contest

University of Waterloo

Feb. 2012

Presidential Scholarship

Government of Azerbaijan

Awarded to top students entering university studies

Sep. 2010

CERTIFICATES

NLP Nanodegree

Udacity

Text Processing, Naive Bayes Classification, Part of Speech Tagging with HMM, Sentiment Analysis, Topic Modelling, RNN, Machine Translation with Deep Learning Attention, Speech Recognition

[See credential](#)

NLP Specialization (deeplearning.ai)

Coursera

4 courses (Classification and Vector Spaces, Probabilistic Models, Sequence Models, Attention Models)

[See credential](#)

Machine Learning with Python: From Linear models to Deep Learning (MITx-6.86x)

edX

Classification, Regression, Recommender Systems, Neural Networks, CNN, Clustering, Mixture Models, Reinforcement Learning

[See credential](#)

Our Privacy Opportunity

OpenMined

Information Flow, Structured Transparency, Homomorphic Encryption, Secure Multi-party Computation, Differential Privacy

Minds and Machines (MITx-24.09x)

edX

Chinese Room Argument, Turing machines, Dualism, Functionalism, Behaviorism, Knowledge

[See credential](#)

Deep Learning Specialization (deeplearning.ai)

Coursera

5 courses (Neural Networks and Deep Learning, Improving Deep Neural Networks, Structuring Machine Learning Projects, Convolutional Neural Networks, Sequence Models)

[See credential](#)

PUBLICATIONS

From Words to Vectors

Article

Published and featured on **Towards Data Science**

[See article](#)