HELEN GEZAHEGN

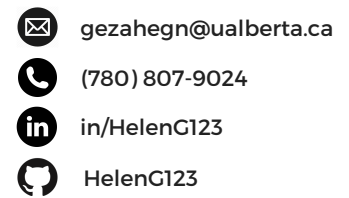## STUDENT && PROGRAMMER

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in/HelenG123

HelenG123

EDUCATION

UNIVERSITY OF ALBERTA
Computer Science, BSc
- Currently taking a machine learning course.

SEPT 2015 - DEC 2020
EDMONTON, ALBERTA

SKILLS & AWARDS

- Proficient in Python, HTML, CSS, JavaScript, React.js, Agile; Familiar with C, Java, SQL, Ember, Flask, Android Studio, LaTeX
- Received scholarships to attend GHC-19, AAAI-19, NeurIPS-18, AfroTech-18, GHC-18, AAAI-18, CAN-CWiC-17.
- Jason Lang Academic Scholarship & Mentorship Honorarium from the Department of Computing Science.

EXPERIENCE

INTUIT
Software Developer Co-Op (Full Stack)
- Fully integrated & debugged an installment payment feature reaching 200K+ customers in QuickBooks Online (QBO) Backend using Java.
- Wrote & debugged 250+ unit/integration tests, identifying longstanding UI & localization bugs using Jest, Enzyme, Sinon, Mockito, & Chai.
- Entirely developed an analytics system that tracks user workflows & retention rates in QBO's Sales Tax Center (CA) & Invoice Customization (Global) using Amplitude & JavaScript. Currently tracking 150K+ customers & system.

MAY 2019 - MAY 2020
EDMONTON, ALBERTA

XIOT
Volunteer Web Developer Intern
- Built web interfaces with HTML/CSS to send HTTP requests to test the efficiency, response/latency, & accuracy of data being sent to their IoT hardware, the xChip.
- Experimented with curl, JavaScript (XHR & fetch), Node.js, & Python to determine best performance for sending HTTP requests.

JUL 2018 - AUG 2018
CAIRO, EGYPT

AI4GOOD
Lab Intern
- Learned & applied fundamental concepts in machine learning & prototype development from Doina Precup & other experts in the field.
- Started a dataset of Braille characters with a current size of almost 27K.
- Used Python, pandas, numpy, & pytorch to train a model that recognizes Braille characters with 97% accuracy.
- Experimented with tensorflow, ONNX, and caffe2 to convert the model to be integrated in an Android Studio app.

MAY 2018 - JUNE 2018
MONTREAL, QUEBEC

FACULTY OF SCIENCE SUMMER CAMPS
Computer Science Educator
- Used a game-oriented approach to create lesson plans & lead various computer science & robotic camps for 150+ students.
- Responsible for leading the all-girls & teen computing camp for kids with autism.

MAY 2017 - AUG 2017
EDMONTON, ALBERTA

HACKATHONS

HACK THE NORTH
Mouseless (Devpost - bit.ly/2m9mTGI)
- Used the Leap Motion Controller to recognize gestures from users to browse the web.

SEPT 2018
WATERLOO, ONTARIO

AI FOR SOCIAL GOOD
AEyeAlliance (Devpost - 2nd Place - bit.ly/2m8KoiL)
- Created a Braille-to-text translator using image recognition; used the MNIST dataset.

MAY 2018
MONTREAL, QUEBEC

EQUITHON
HateAway (Devpost - https://bit.ly/2ot661V)
- Filters twitter feed to hide hate speech tweets using a CNN model and Python.

MAY 2017
WATERLOO, ONTARIO

VOLUNTEERING (ASK ME!)

- Mentored for Technovation Challenge, Canada's Learning Code, Let's Talk Science, WISEST Edmonton, & Ada's Team.