

Helen Gezahegn

Software Developer

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HelenGezahegn 
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Education

BSc. Computer Science
University of Alberta

Dec 2024
Edmonton, Alberta

Skills

- **Proficient in** Python, HTML, CSS, JavaScript, React, Redux, Redux-Sagas, Dart, Flutter, Git, Agile, Travis CI, Circle CI, & Amplitude, Enzyme, JUnit, Swift, Xcode, Semantic UI, React Rainbow Components, MaterialUI.
- **Familiar with** C, Java, SQL, Ember, Flask, Android Studio, LaTeX, & ReactNative, Chai, Selenium, Athena.

Experience

Spent the [last two years solo-travelling](#) around the world, hence the gap in my employment. Feel free to ask about my adventures!

Full-Stack Software Developer Co-op
Intuit

May 2019 - Dec 2020
Edmonton, Alberta | Toronto, Ontario

- 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 Enzyme, JUnit, Sinon, Mockito, & Chai.
- Entirely developed an analytics system that tracks 300K+ users & retention rates in QBO's Sales Tax Center (CA) & Invoice Customization (Global) using Amplitude, Segment.io, & JavaScript.
- Added 100+ analytic triggers, 25+ dashboards, and 90+ charts, Demoed it 3+ times to technical and non-technical audiences.
- Created an Intuit Developer Cheatsheet that became an official part of the Intuit onboarding training for full-time, contract, and intern employees.

Web Developer Intern
XIOT

July 2018 - August 2018
Cairo, Egypt

- Built 2+ 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 10+ HTTPS requests.

Lab Intern
AI4Good

May 2018 - June 2018
Montreal, Québec

- Learned & applied fundamental concepts in machine learning & prototype development from Doina Precup & other experts.
- 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
- Worked with tensorflow, ONNX, & caffe2 to convert the model to be integrated in an Android app.

Projects

Aspire

Flutter, Dart, Redux, Firebase | GitHub - bit.ly/2XF1bLc

- Matching students with industry mentors in our local tech community; potential funding from the University of Alberta.

Diaspora Manager

Africa COVID-19 Response Toolkit | ReactNative, Expo, Firebase | GitHub - bit.ly/3kkdy7P

- Open-source app manager to easily modify & view the content being displayed in a symptom tracker app called Diaspora.

Volunteering (Ask Me!)

Ada's Team President 35hrs/week

HackED Hackathon Organizer 300+ hours

Mentored for DiscoverE, Technovation Challenge, Canada's Learning Code, Let's Talk Science, WISEST.

May 2017 - 2020
August 2018 - 2021