

Edward Hedi Lu

1 (226) 808 9532 – edwardhdlu.github.io – github.com/edwardhdlu – hedi.lu@edu.uwaterloo.ca

Education

University of Waterloo

Sep. 2015 – May 2020

Honours Computer Science (BCS) – 3.8 GPA

Experience

Yahoo! Inc.

Jan. – Apr. 2018

Machine Learning Engineering Intern

Sunnyvale, CA

- Trained latent Dirichlet allocation models to compute article-comment relevance using Python and Gensim
- Extended the comment pipeline powering Yahoo! News and Finance message boards to use relevance as a ranking metric using Java, Scala and Spark
- Reduced model runtime in production by 96% by integrating three external libraries

Yahoo! Inc.

May – Aug. 2017

Machine Learning Engineering Intern

Sunnyvale, CA

- Worked with research scientists to train and deploy a novel embedding-based classification model for articles on Yahoo! News and Newsroom using Java and DeepLearning4Java, improving precision by 6.2%
- Reduced model runtime in production by 95% by implementing locality sensitive hashing
- Refactored model code using TensorFlow to speed up training on GPU machines

Ontario Institute for Cancer Research

May – Aug. 2016

Frontend Developer Intern

Toronto, ON

- Developed responsive and reusable UI components using JavaScript, React, Redux and CSS
- Tested and improved site accessibility and compatibility across browsers and devices

Projects

FuzzBuzz

- Co-founded a platform that offers services to automatically improve test coverage and identify flaws in code, which won \$25,000 in the University of Waterloo's Velocity startup competition

Q-Trader – github.com/edwardhdlu/q-trader

- Built a reinforcement learning agent that predicts profitable short-term trading actions from stock price data using Python and Keras

Digit Identifier – github.com/edwardhdlu/digit-identifier

- Trained a CNN using Python and TensorFlow to identify numbers from user-uploaded images and deployed the model onto a web app built using Flask and jQuery

Skills

Languages – Python, Java, C++, JavaScript, Scala

Tools and Frameworks – TensorFlow, Keras, Spark, Flask, React, jQuery