AARON UHR

📞 +1 (416) 712-3321   @ aaron.uhr@mail.utoronto.ca   📍 Toronto, ON, Canada

EDUCATION

B.S Computer Science (3rd year)
University of Toronto

📅 2018 - 2022   📍 Toronto, ON, Canada

- Major GPA: 3.28/4.00

EXPERIENCE

Software Engineer Intern
Deep Genomics

📅 05/2020 - Ongoing   📍 Toronto, ON, Canada

- Built an experimental data ingestion platform from scratch, using **Docker, Google Cloud Platform, Firestore, Protocol Buffers,** and **Mithril.js** for researchers to keep track of ongoing and past lab experiments
- Trained a team of 20+ lab researchers on the usage of the new workflow
- Created **Cython (Python with C extensions)** bindings to existing C++ code to allow other internal Python/Cython packages to use its functionality and objects

Project Management Intern
Metadium

📅 06/2018 - 07/2018   📍 Seoul, South Korea

- Took part in designing the META (cryptocurrency) token economy for the Metadium identity blockchain platform from scratch
- Wrote and published Medium articles analyzing various consensus algorithms for use in distributed blockchain systems
- Managed community channels through Telegram, Twitter, and LinkedIn
- Coordinated 'airdrops' and 'bounties' on Telegram, growing the community size by over 400%

PROJECTS

Youtube-Sync
Technologies used: Socket.io, Node.js, Express, Heroku, jQuery

- A web application for syncing Youtube videos and chatting across clients, using a websocket connection for each 'video room'
- Listens for playback status messages from the embedded YouTube iframe API from all the connected clients, and emits/receives the signal accordingly, controlling the embedded player
- Deployed through Heroku (https://youtube-syncer-app.herokuapp.com)

Toxic Comment Classifier
Technologies used: Tensorflow, Keras

- Classifies comments based on type of toxicity (threat, insult, racial, etc)
- Trained model using a convolutional neural network (CNN), and long short-term memory (LSTM) with training data provided by the Kaggle programming competition
- Embedding matrix created with the GloVe word representation vectors provided by Stanford
- Achieved over 98.2% accuracy on cross-validation with training data when classifying toxicity

Portfolio Website
Technologies used: JavaScript, HTML/CSS, Bootstrap, Github Pages

- Portfolio website to showcase my projects, with my most up-to-date resume and contact information
- Styled using CSS transitions and keyframes, and used Bootstrap Grid for the layout

LANGUAGES

Python

JavaScript

HTML & CSS

Java

SQL

SKILLS

Algorithm Design & Analysis

Data Structures   Git   Node

Express   Bootstrap   jQuery

Tensorflow   Docker   GCP

Protobuf   Firestore   Kubernetes

STRENGTHS

💬 **Oral and Written Communication Skills**

✔️ **Reliable and Consistent**

🧍 **Works Well in Collaborative Environments**

📘 **Lifelong Commitment to Learning**

FIND ME ONLINE

LinkedIn
https://www.linkedin.com/in/aaron-uhr-61a314125/

Personal Website
https://jwuhr.github.io

GitHub
https://github.com/jwuhr