# **AARON UHR**

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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

- Developed a new experimental data ingestion workflow using Google Cloud Platform, Firestore, and Mithril.js for researchers to track ongoing and past 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

**1** 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: TensorNow, Keras

- Classifies comments based on type of toxicity (threat, insult, racial, etc)
- Trained model using a convolutional neural network (CNN), and long shortterm 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**

JavaScript

HTML & CSS

Java

# **SKILLS**

**Algorithm Design & Analysis** 

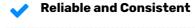
 Data Structures
 Git
 Node

 Express
 Bootstrap
 PostgreSQL

 jQuery
 Tensorflow

# **STRENGTHS**





Works Well in Collaborative Environments

Lifelong Commitment to Learning

# **FIND ME ONLINE**

n LinkedIn

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



GitHub

https://github.com/jwuhr