

Aaron Uhr

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in [linkedin.com/in/aaron-uhr-61a314125/](https://www.linkedin.com/in/aaron-uhr-61a314125/)
github.com/jwuhr
jwuhr.github.io (**Personal Website**)

Education

University of Toronto (Third Year, In-Major GPA: 3.26)

Candidate for Bachelor's Degree in Computer Science, Expected Graduation 2021

2018 – Present

Toronto, ON

Western University

Pursued a Honors Specialization in Genetics and Biochemistry

2015 – 2018

London, ON

Experience

Metadium

Product Management Intern

May 2018 – Jul. 2018

Seoul, South Korea

- > Designed 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%

Southlake Regional Health Centre

Student Researcher

Jun. 2015 – Sep. 2017

Newmarket, ON

- > Helped gather and analyze patient wait-time data in order to support the introduction of a new blood testing method in the emergency department, resulting in lowering the 90 percentile wait time for patients requiring blood tests by nearly 30%
- > Aggregated patient prescription data in order to better inform the types and amount of medication to stock in the automatic pharmacy machine

Projects

Youtube Syncer

- > Technologies used: **Socket.io, Node.js, Express, Heroku, JQuery**
- > A web application for syncing Youtube videos across clients, using a websocket connection for each 'video room'
- > Listens for the 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>)

Bitcoin Visualizer (in progress)

- > Technologies used: **MySQL, D3.js, websockets, Node.js, Express**
- > A real-time visualization tool for the Bitcoin blockchain
- > Maintains a live connection with the Blockchain.com websocket API, parses the incoming JSON block data, then stores it into a remote MySQL server
- > Uses D3.js to animate the queried data from the MySQL server (in progress)

Personal 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 for the layout

Skills

Languages Python • Java • JavaScript • C (familiar)

Web Technologies Node.js • Express • MySQL • Websockets • Git • JQuery • SemanticUI • D3.js • HTML/CSS