

Experience

Software Engineer Intern • Twitter • San Francisco, California Jun 2020 - Sept 2020

- Drove Twitter's mission of healthy conversation forward by engineering a content review system for abusive Tweets, resulting in more efficient removal of hate speech and misinformation (Scala, PostgreSQL, React)
- Built an email notification manager in Scala to reduce turnaround time for reported content by up to 25%

Software Engineer Intern • Tesla • Palo Alto, California Jan 2020 - Apr 2020

- Shortened load times by 20% for the Tesla Mobile App by building a clustered micro-service, resulting in customers being able to view their home energy consumption quickly (Scala, Kubernetes)
- Improved the reliability of a distributed energy asset network for the Tesla Virtual Power Plant, enabling Autobidder

Founder / Host • Into the Adultverse Podcast • bit.ly/adultverse Dec 2019 - Present

- Scaling podcast focused on ethics, technology, and psychology to 3000 unique monthly listeners
- Previous/Upcoming Guests: Jack Dorsey (CEO, Twitter), Nick Caldwell (VP Eng, Twitter), and Henry Peck (PM, J&J)

Data Scientist Intern • Office of the Director of National Intelligence • Washington, DC Aug 2019 - Apr 2020

- Researched data compression techniques (Huffman encoding, Chaos Theory) for high-volume DNA data
- Designed data flow for a software platform to select optimal compression algorithm given a DNA sample

Software Engineer Intern • Wealthsimple • Toronto, Canada Sept 2019 - Dec 2019

- Architected production-grade email notification service, allowing customers to stay up to date with their deposit status
- Implemented filtering algorithm to sort and visualize transactions between financial institutions (Java, Angular)
- Presented a new hiring plan incorporating principles of diversity and equity to C-suite executive team

Software Engineer Intern • Publicis Sapient • Toronto, Canada Jun 2019 - Aug 2019

- Restructured a location based front-end component for walmart.ca using JavaScript, enabling customers to view relevant deals at their local stores
- Developed and trained a KNN machine learning algorithm to inform the design of a chatbot for jeep.com (Python)

Multi-Organ Transplant Researcher • Toronto General Hospital • Toronto, Canada May 2017 - Aug 2017

- Developed a machine learning algorithm in Python to detect severe liver disease, enabling early life-saving treatment
- Leveraged user research interviews with transplant patients to design a medication adherence app
- First author on Meta-Analysis published in the Canadian Liver Journal - bit.ly/nashgen

Education

B.Eng, Electrical & Biomedical Engineering (Co-op) • McMaster University Expected Dec 2021

- Deans Honor List (2016-2018), Honors Entrance Scholarship (\$2000), 3.4/4.0 GPA
- Relevant courses: Data Structures and Algorithms, Discrete Math, Statistics, Vector Calculus

Skills

Languages: Python, Java, Ruby, Scala, SQL, C, C++, JavaScript, Swift, MATLAB, Assembly

Tools and Frameworks: Agile, Kanban, Kubernetes, Pandas, AWS, TensorFlow, Rails, Node.JS, Git/Version Control

Design: Figma, Photoshop, Illustrator, InDesign, Lightroom