

Experience

- Flight Software Engineer Intern • SpaceX • Brownsville, Texas** Jun 2021 - Aug 2021
- SpaceX was founded under the belief that a future where humanity is out exploring the stars is fundamentally more exciting than one where we are not. Today, SpaceX is actively developing the technologies to make this possible.
- 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** Ongoing
- 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
- 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)
 - 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