Fuad Ali

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Experience

Product Manager • <u>GIFTForward.co</u> • Toronto, Canada   Apr 2020 - Sept 2020
- GIFTForward is a non-profit helping 80+ small businesses across Canada stay afloat during the COVID-19 pandemic
- Analyzed vendor complaints to ideate and code an automated payout system for $55,000 of merchandise, getting money into businesses hands faster

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
- 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
- Significantly shortened load times for the Tesla Mobile App by building a clustered micro-service in Kubernetes, resulting in customers being able to view their home energy consumption quickly
- Contributed to the hierarchical asset aggregation system for the Tesla <u>Virtual Power Plant</u>, enabling <u>Autobidder</u>

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
- Upcoming guests: Jack Dorsey (CEO of Twitter) on blockchain, and Henry Peck (PM at J&J) on robotic surgery

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

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

Education

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