Mercy Doan

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Education

Queen's University, Bachelor of Computing (Honors) Sep. 2020 – Apr. 2024
Specialization in Computing/Mathematics, focus in Data Analytics/Statistics (3x Dean's Honor List) *Kingston, ON*
Areas of Study: Data Analysis, Artificial Intelligence, Machine Learning, Databases, Data Structures, Algorithms

Technical Skills

Behavioral: Organization, Communication, Creativity, Initiative, Logistics, HR/Management, Education
Programming Languages: Python, Java, Javascript (React, Node.js), CSS, HTML, MATLAB, R, Bash, C, SQL, PHP
Frameworks/Technologies: Anaconda, Git/GitHub, Figma, Jest, Jira, Playwright, Supabase, WordPress
Libraries: Pandas, NumPy, HuggingFace, SciKitLearn, TensorFlow, Keras, PyTorch, Bootstrap, Formik/Yup

Projects

YouTube Creator | *Audio, Video, Channel Management* 2016 - present
- Edited audio and video for YouTube, gaining 200+ subscribers and 100k total views over 30+ videos
- Managed YouTube content such as scheduling, copyright, video components, visibility, channel organization, etc.

Social Media Marketer | *Instagram, Facebook, Twitter* 2014 - present
- Ran multiple social media handles on various platforms, achieving 4k+ followers on some accounts
- Increased visibility and engagement for tutoring companies, university clubs, and personal projects
- Met posting deadlines and discussed new marketing initiatives with supervisors after ideation

Experience

NLP Director of Design May 2022 – Present
QMIND (Queen's University Artificial Intelligence Club) *Kingston, ON*
- Guided 5 project managers to build NLP projects through leadership and reflection workshops
- Educated students on using GitHub, machine learning libraries, and NLP techniques such as statistical models, Ensemble methods, deep learning, LSTMs, Transformers, supervised/unsupervised regression/classification, etc.

Vice-President of Operations May 2021 – Present
COMPSA (Queen's Computing Students' Association) *Kingston, ON*
- Led a team of 50+ students to support and enhance the undergraduate Computing student body's experience in Academics, Equity, Events, Marketing, Professional Development, Year Representation, and Tech Support
- Created new initiatives to boost student engagement, develop an internal foundation of long term goals/plans, and advocate for student issues (understaffing, academic assistance, equitable policies, financial transparency, etc.)

Cybersecurity Researcher May 2022 – Sep. 2022
Google ExploreCSR *Kingston, ON*
- Analyzed and applied research papers on autonomous vehicle security, software development life cycles, vulnerability detection, and machine learning techniques used in cybersecurity
- Proposed new ways to improve an autonomous vehicle software security and development method by using regression and deep learning to prioritize vulnerability metrics

Computing and Math Teaching Assistant Sep. 2021 – May 2023
Queen's School of Computing, Queen's Mathematics and Statistics Department *Kingston, ON*
- Provided office hours and feedback on math, Python, Java assignments for 50+ undergraduate students on a weekly basis, and debugged code with concepts such as recursion, machine learning basics, regex, OOP, etc.