JACK NAIMER

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EDUCATION & TRAINING

Engineering Science Program, University of Toronto pursuing Machine Intelligence Stream	2021-ongoing
Certificate, Math and Computer Science (MaCS) enriched high school program, William Lyon Mackenzie Collegiate Institute	2017-2021
High School Diploma, William Lyon Mackenzie Collegiate Institute	2021

WORK EXPERIENCE

Research Student, Dr. Mike Fralick's Lab, Mount Sinai Hospital. Developing AI tools for healthcare.	May 2022-ongoing

Projects

ChatBotMD	Medical Literature Tool	jrnowl.com
▪ Created AI chat bot from scratch for doctors to use in the field ▪ Developed custom decision-making algorithms ▪ Created chat bot website from scratch, set up networking, and run on AWS server ▪ Sole programmer	▪ Created AI tool to inform doctors of advances in medicine ▪ AI tool finds relevant medical publications and gives concise summaries ▪ Created react-js website ▪ Sole programmer	▪ Using ML to automatically find journal publishing guidelines from medical journal websites for use on jrnowl.com

Bike Service Technician, Skiis & Biikes. Serviced and repaired bicycles, trouble-shoot issues, communicate with customers.	May-Sept 2021
Sales, Gears Bike Shop Leaside. Direct customer service, worked the cash.	June-Oct 2020
Hockey Referee, Forest Hill Hockey Association.	2017-2020
Camp Counsellor, Green Acres Day Camp. Led team activities and took care of children aged 5-8 years.	Summer 2019

EXTRACURRICULAR & VOLUNTEER EXPERIENCE

Academic Director & Academic Paper Read Group Mentor, University of Toronto Machine Intelligence Student Team (UTMIST).	2022-ongoing
Software Team Member, University of Toronto Design League Robodog Team.	2022
Competition Team Member, University of Toronto Concrete Toboggan Design Team.	2021-ongoing
Satirical Newspaper Co-President, William Lyon Mackenzie Collegiate Institute.	2020-2021

Math Peer Tutor, William Lyon Mackenzie Collegiate Institute.	2019-2021
Math and Computer Science (MaCS) Program Peer Mentor, William Lyon Mackenzie Collegiate Institute.	2020-2021

AWARDS & ACHIEVEMENTS

BioTalent Health and Biosciences Student Work Placement Wage Subsidy, For summer research in Dr. Mike Fralick's Lab.	2022
Admission Scholarship, Faculty of Applied Science and Engineering, University of Toronto. $2000	2021
Advanced Placement (AP) Credits, Achieved 5/5 score in Computer Science A (2019) and Calculus AB (2021)	
DECA Provincial Finalist & Case Award, Business Finance Series	2021
Honourable Mention, Queen's Model United Nations Conference	2021
3rd Place, LyonHacks Hackathon, William Lyon Mackenzie Collegiate Institute	2021
DECA Regional Top 60, Business Finance Series	2020
Taekwondo Black Belt	2020

TECHNICAL SKILLS

- Python, Julia, C, C++, Java, Matlab, Linux, ROS, Docker, HTML, CSS, SolidWorks
- Deep learning, PyTorch and Flux Deep Learning Frameworks, NLP, Transformer Models
- Self-learned Gilbert Strang's Course: Matrix Methods in Data Analysis, Signal Processing, and Machine Learning, MIT OpenCourseWare (2021)
- University of Toronto Machine Shop Certification (2021)

HOBBIES

Mountain biking, guitar, ultimate frisbee, table tennis and hockey.