Xing Han Lu

CS Student, ML Researcher, SWE Intern

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About Me

Certifications Deep Learning Specialization (Verify BNZ8BTQDGYVA)
Courses Artificial Intelligence, Honours Algorithms & Data Structures, Probability Theory, Software Design
Data Science Dash, Flask, Numpy, Pandas, Plotly, Sci-kit Learn, Tensorflow, Keras
Programming C, Java, JavaScript, LaTeX, PostgreSQL, Python, React.js

Work Experience

Plotly
Software Engineer Intern   Montreal, QC (Summer 2018)
- Develop open-source Machine Learning apps attracting 3,500 monthly visits, all hosted on Heroku
- Work with CEO and VP Sales to design demo apps for Fortune 500 clients
- Present Dash and Plotly at Symposiums and Webinars with over 200 attendants

McGill Clinical and Health Informatics
ML Research Intern   Montreal, QC (Summer 2017)
- First freshman and youngest student at the lab to co-author a paper presented at AAAI Workshop
- Presented results of project in front of the entire lab (Professors, PhDs, Masters)

Projects

Object Detection App   Plotly
- Dash app that provides live visualizations of detection data inside complex videos
- Selected to be presented at Plotly's bi-monthly webinar and official gallery
- Data is pre-generated using optimized MobileNet v1 in TensorFlow close to real-time

MedIA - Fake new detector   CBC Hackathon
- Web app that filters fake news by detecting if a news article is fraudulent or legitimate
- Trained Deep Neural Networks and LSTMs with 90%+ accuracy on over 80,000 news articles

Publications

Using digital purchasing data to generate public health evidence:
Learning unhealthy beverage demand from grocery transaction data New Orleans, LA (Feb 2018)
2018 AAAI Workshop on Health Intelligence (Verify 16399)
- AAAI is a conference with below 25% acceptance rate and 1500 annual participants
- 38% model improvement over baseline models using Multi-Layer Perceptrons and Non-Parametric Learning

Activities

Esprit Science
Director   Montreal, QC (Sept 2017 - Present)
- Non-profit organization founded by Schulich Leaders and Undergraduate Researchers
- Presented 3 intro coding workshops for special needs and high school students in our first year

McHacks
Organizer   McGill University (Feb 2018)
- Flagship coding event with 600 students from all over North America (MIT, Berkeley, Waterloo, etc.)
- Collaborate with sponsors such as Amazon, Cisco, Deloitte and Google to offer over $34,000 in prizes.

Education

McGill University   Montreal, QC (2017 - 2020)
Honours B.Sc. Computer Science - Data Science Stream, Internship Program

Marianopolis College   Westmount, QC (2015-2017)
DEC, Pure and Applied Science