Jace Mu

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EDUCATION

University of Toronto — Toronto, ON
Honours Bachelor of Science in Computer Science, Minors in Statistics and Mathematics — *Expected May 2028*

RELEVANT EXPERIENCE

Paletteflow | *C#, .NET, WPF, Git* — August 2024
- Developed a full-stack desktop application for designers and artists using the self-learned WPF .NET framework
- Implemented JSON serialization to allow users to save and retrieve data locally
- Designed a modern and stylistic UI using Figma
- Passed user responses through an AI model to generate color palettes fitting their needs

Graduate Admissions Statistical Study | *Python, TensorFlow, Scikit-learn, Jupyter* — May 2024
- Conducted a data-driven statistical analysis on graduate program admission rates based on a variety of factors including TOEFL, undergraduate CGPA, and Statement of Purpose strength
- Cleaned and transformed data using SQL queries before leveraging R's tidyverse library to generate powerful data visualizations
- Trained and tuned a multiple linear regression ML model via Tensorflow to predict admission chance as a probability based on given features
- Authored a 9-page research paper in LaTeX documenting the various steps taken to clean data and train the model
- Deployed model as a web application via Flask to allow users to input their own scores and determine their own possibility of success

ADDITIONAL EXPERIENCE

Founder — August 2023 – June 2024
Internflow — *Mississauga, ON*
- Designed and developed a full-stack web platform with more than 100 monthly users via the MERN (MongoDB, Express, React, Node.js) stack
- Guided over 300 youth to find opportunities catered towards them through the implementation of a powerful filtration algorithm
- Collaborated with other team members to optimize front-end JavaScript-based animations to deliver a pleasant UX to users on lower-end devices

Committee Co-Director — July 2023 – March 2024
Toronto Model United Nations — *Toronto, ON*
- Directed and organized a mock United Nations committee in a conference of more than 450 delegates from across the world
- Co-led a team of five to deliver a unique, action-based experience to delegates that yielded an 100% positive feedback rate and shaped a new branch of model United Nations in future conferences
- Communicated with top executive officers frequently to settle equity issues and ensure correspondence with conference-wide policies

Contract Author — Feb. 2019 – June 2022
Webnovel — *Remote*
- Published multiple best-selling web-fictions with nearly 10 million cumulative reads through years of dedication and daily writing
- Achieved top 150 in popularity ranking amongst thousands of books through the support of over 66,000 consistent readers
- Personally mentored and promoted three novice authors to help them reach their first thousand readers and milestones on the platform

TECHNICAL SKILLS

Languages: Java, Python, C#, SQL (Microsoft SQL Server), JavaScript, HTML/CSS, R
Frameworks: React, Node.js, Next.js, Express.js, Framer Motion, .NET, Tailwind CSS, Django, Flask
Developer Tools: Git, Docker, Microsoft Suite, Google Cloud Platform, VS Code, Visual Studio, Figma, MongoDB, Microsoft SQL Server
Libraries: pandas, NumPy, Matplotlib, Tensorflow, PyTorch, Scikit-learn, Tidyverse