Thammathorn Paweewan

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EDUCATION

Computer Science Major and Economics Minor, Bachelors of Science   **Expected Graduation Year: 2026**
University of Toronto Mississauga - Ontario, Canada

- **Cumulative GPA -** 3.7/4.0
- **Board Member for Campus Affairs Committee**(2023-2024) - Elected as a voting member on the university board.
- **Board Director for Student Union**(2022-2023) - Elected as a student representative within the Student Union.
- **Founder of Fintech Association**(2022-2023) - Founded UTM's Fintech Association, hosting events and projects.

TECHNICAL SKILLS

- **Programming:** Python, Typescript, Javascript, Java, C, SQL, R, Arduino, Stata
- **Technical Tools:** AWS Cloud, Figma, Git, Postman, Google Data Studio, PostHog
- **Workplace Applications:** Microsoft 365(Excel, Outlook, SharePoint, etc), Google Suite(Sheets, Gmail, Drive, etc)

PROFESSIONAL EXPERIENCE

Technical Support and Systems Assistant, University of Toronto, Ontario   **April 2024 - Present**
- Implemented internal tools and protocols to enhance network monitoring and troubleshooting capabilities, including new virtual troubleshooting training, and tools. These innovations led to a 40% increase in staff system confidence.
- Monitored and reported on inventory and various projects, including a significant electronics recycling initiative by the university, offering valuable insights for strategic planning and informed resource allocation decisions.
- Delivered exceptional customer service by effectively communicating technical solutions to non-technical users.

Data Analyst Intern, Digital Development Agency **-** Bangkok Thailand   **June 2021 - August 2021**
- Employed Java and SQL to model, analyze, and present company data, allowing for a tailored workflow process that significantly increases employee productivity.
- Employed Google Data Studio to present monthly reports monitoring large amounts of customer data, monitoring trends and ensuring customer satisfaction, leading to a 15% improvement in customer satisfaction rates.

EXTRACURRICULAR EXPERIENCE

Research Tech Lead, Department of Economics **-** University of Toronto Mississauga   **September 2023 - Present**
- Leveraged Python programming on AWS cloud software to extract and process text from historical annual trade records. Transformed this data into comprehensive Excel sheets, providing valuable economic trade insights.
- Designed and implemented automation scripts to streamline the data assurance and processing workflow, allowing for significantly reduced manual effort while increasing the efficiency and accuracy of data handling.
- Led and managed multiple data-related projects, from initial planning and development to execution and delivery.

PROJECTS

- **Financial Coach (Q&A AI) Development:** Implemented backend architecture for an AI-powered financial advisor chatbot in the [Savi Finance](#) budgeting and investment app. Utilized LangChain and OpenAI models to process queries and deliver personalized financial advice, including spending, housing, and life goals, with visualizations like net-worth and cash flow graphs.
- **UML Mentor**: Developing a tool for the University of Toronto where programmers can practice their UML computer architecture design, allowing them to complete challenges and compare solutions complete with integrated AI solution checkers. Currently working on adding functionality for lecturers to assign homework on the platform and integrating PostHog analytics to learn from student behavior for future improvements.
- **Predictive Machine Learning Model**: Utilized Sklearn and numpy to create a classification model to predict the city that a student is talking about based on inputs such as rated popularity and relevant quotes. The model utilized a Forest of Decision Tree classifier models for numerical and rank based input alongside a Naive Base model used to analyze the student's written input.
- **Canadian Housing Market Research**: Employed R, Excel, and Stata to clean and model data as part of an economical research on whether the Canadian housing market is currently in a "bubble", a state of overvaluation that leads to economic collapse. Concluded that due to the current socio-economic situation and housing shortage as a necessity, there is no housing "bubble".