Hao Ran (Tim) Yang

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**Qualifications**

***Programming Languages*** – Python, Bash, HTML, CSS, JS, SQL, C, C++

***Applicable Modules*** – Crontab, nq, Pandas, FuzzyWuzzy, Vis.JS, NodeJS

***Data Analysis*** – Forecasting, Variance Analysis, Regression Analysis

***Data Visualization*** – R, MatPlotLib, PowerBI, Excel

***Workplace Efficiency*** – Adobe Creative Suite, Microsoft Office

| Proficiency in productivity across Windows, MacOS, and Linux distributions.

| Quantitative approach to data analysis, visualization, and automation.

| Proficiency in AI/ML Powered Tools such as OpenAI APIs and Co-Pilot.

**Education**

**Candidate for Bachelor of Mathematics***, Financial Analysis and Risk Management*

University of Waterloo Financial Analysis and Risk Management

Courses – Statistics, Actuarial Science, Finance

GPA – 3.9/4

*Sept 20 - Present*

**Experiences**

**Project Management Systems Specialist** (Internship) *Jan 23 – April 23*

*Teledyne DALSA Research and Development – Waterloo, Canada*

* Architected and developed a report automation ecosystem for product line leaders, allowing management to make critical decisions based on actionable data.
* Improved team business operations by introducing a ~99.68 percent decrease in manual labor for intelligent data processing and report visualization, equivalent to ~38 FTE per month.

**Business Analyst** (Internship) *May 22 – Aug 22*

*Abbott Laboratories – Mississauga, Canada*

* Generated reports detailing analysis in customer distribution among global sales data to identify key influential networks, analyze variance, and forecast future sales.
* Designed and rolled out a nationwide performance tracking data system managing over ~1000 doctors’ offices and ~20,000 retail locations for sales team members to improve efficiency and distribute the workload.

**Co-Founder and Software Engineer** (Self-Employment) *Jan 22 – Present*

*CuraML Research and Development – Waterloo, Canada*

* Developing and integrating a custom software stack consisting of node.js, MongoDB, EJS, and Python to provide consistent RESTful web-based services to customers.
* Architected and set up multiple virtual environments to develop and deploy dockers and other infrastructure nodes used by deep learning, web hosting, and databases.

**Software Engineer – Distributed Data Storage** (Internship) *Sept 21 – Dec 21*

*Huawei Technologies – Markham, Canada*

* Researched and implemented data storage and management models, setting up and testing the performance of master, worker, nodes and data system structures.
* Designed and scripted a custom Python script to monitor the performance of data system structures under specific situations to add to Jenkins testing process, providing leaders with information regarding each commit.

**Certifications**

**Bloomberg Market Concepts** (Certificate of Completion) *2021*

*Bloomberg – New York, United States*