

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* *Sept 20 - Present*
University of Waterloo Financial Analysis and Risk Management
Courses – Statistics, Actuarial Science, Finance
GPA – 3.9/4

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