# YU-HAO TUNG

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## EDUCATION

**University of Washington** – Seattle, United States                          June 2024 – June 2025(Expected)
*Master in Supply Chain Management*
- Courses: Probabilities and Statistics, Forecasting, Inventory Management and SC Analytics, R, SQL

**National Central University (NCU)** – Taoyuan, Taiwan                          Sep. 2015 - June 2019
*BBA in Finance (AACSB accredited)*
- Applied decision tree model (R) to analyze government tourist data and identified insights with practical solutions

## PROFESSIONAL EXPERIENCE

**IBM Consulting, IBM**– Taipei, Taiwan                          Apr. 2021 – June 2024
**Finance and supply chain transformation consultant focused on manufacturing. Responsibilities include manufacturing management and optimization, spanning from enterprise solutions and SAP core system to data integration and analysis.**
*Package Solution Consultant, Finance and Supply Chain Transformation*
- **SAP CO Module**: Led 3+ end-to-end SAP Controlling(CO) implementations, managing requirement gathering, system design, testing, and user training, ensuring seamless integration with FI, MM, and other modules
- **Cost Analysis & Optimization:** Customized SAP CO solutions to align with client-specific business processes, optimizing cost allocation workflows and improving activity-based costing accuracy by 20%, while streamlining variance analysis processes
- **Financial Reporting:** Designed 30+ controlling reports, financial statements, and balance sheets, automating fiscal reporting processes and reducing turnaround time by 40%, while delivering actionable insights for decision-making
- **SAP Financial Consolidation:** Configured SAP BPC solutions for budgeting and forecasting, enabling real-time financial analysis and reducing budget preparation time by 30%, impacting 20 business units globally
- **Reconciliation:** Developed custom SAP BPC reports and input templates using VBA, applying accounting logic to efficiently eliminate intercompany transactions and enhance the accuracy of financial consolidation.
- **VBA and UAT**: Saved 15% in operating time by troubleshooting over 200 VBA bugs reported by users, delivering 3 useful Excel functions, creating clear infographics, and training 100 users in Europe and the USA on their effective use.

*System Analyst, Smart Manufacturing / Asset Management Optimization*
- Designed a **scalable database and ETL pipelines** using Python and SQL, transforming raw data into layered data marts for efficient cleansing, aggregation, and alignment with business needs, ensuring high data integrity and actionable insights
- Developed a **real time KPI dashboard** that integrated 800 machinery data points and 100 workforce hours/production metrics, accelerating executive decision-making by 15% through enhanced data visualization and streamlined reporting
- Integrated production data with SAP stock management for battery components, utilizing Exploratory Data Analysis (EDA) to identify delivery lead time trends and **optimize inventory** management for an eventual 10% cost reduction
- Led a team of 5 in **analyzing supply chain data** to identify manufacturing bottlenecks and delivery time trends, which resulted in a 20% reduction in inventory holding costs for a major lithium battery manufacturer serving clients like Dyson.

*Data Engineer Consultant, Data Technology Transformation*
- Reduced data processing time by 23% by interviewing over 90 data engineers, data scientists, and business users to identify pain points, **reengineering data pipelines**, and optimizing ESG data processes through data modeling
- Enhanced data processing speeds by 15% for a manufacturer of Apple iPhone parts by consolidating data from 5 different locations to one **cloud-based data warehouse** using IBM's data tools

**Deloitte** – Taipei, Taiwan                          Nov. 2018 – Jan. 2019; Aug. 2019 – Dec. 2019
*Intern - Audit Innovation Centre / Technology Innovation Centre, Total 700 hours*
- **Refined SQL** and optimized code module to logically organize accounting transactions, reducing man hours by 40%
- Executed Financial Statement Automation **System test** cooperating with system engineers, advancing release time 1 month

## LEADERSHIP AND EXTRACURRICULARS

**Course Assistant – OPMGT301: Principles of Operation Management** – UW Seattle, WA          Sep. 2024 – Mar 2025
- Supported grading and instructional activities for 2 quarters by ensuring accurate evaluations, providing feedback, and upholding academic integrity in collaboration with the course instructors

**Student Association of NCU Finance Department** – NCU, Taiwan                          Sep. 2017 – June 2018
- Led a 15-member team as Vice Director of the Student Association, organizing campus-wide events, managing budgets, and fostering collaboration to enhance student engagement and representation

## SKILLS AND ADDITIONAL

- Programming Skills: Python (polars, pandas, numpy, scipy, seaborn, matplotlib) | R (dplyr, ggplot2) | SQL | Excel VBA
- Tools: Spark | Git | AWS| Airflow| Docker | Tableau | Power BI | Jupyter | Kettle | Sourcetree | Apache Kafka | Jenkins | Linux | IBM Cloud Pak for Data (Data Virtualization, Data Refinery, AutoAI, Machine Learning)
- Certification: Microsoft Azure | SAP S/4HANA Controlling(CO) |SAP Certified Application Associate - SAP Business Planning and Consolidation(BPC) 10.1 and 11.0 | Celonis