**CHARLIE (CHERNGYWH) LEE**

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**SUMMARY OF QUALIFICATIONS**

Dynamic and highly motivated Technical Program Manager with strong foundation in product and team management skills possessing hands-on data analytics and programming skill. Organized and result-oriented with positive and hard-working nature. Fluent in English, Mandarin, Taiwanese, Japanese (JLPT N2)

**DATA SCIENCE EXPERIENCE**

* [Breast Cancer Diagnosis](https://breast-cancer-machine-learning.herokuapp.com/) – Created model with **Scikit Learn** & **Keras**. **Data wrangling** and conducted **feature engineering** to optimize the model performance. Finally created a web application that can classify the result is positive or negative by the uploaded data
* [Movie Pitch](https://github.com/cherngywh/The-Man-Who-Loved-His-Little-Girl/blob/main/IST%20Final%20Project_Team%204.pdf) – A comprehensive analysis report to provide business insight with **visualizations,** predicted revenue with **ML/DL model** and then decided the movie story and title with **Text Mining**
* Database – Designed & implemented relational and multidimensional databases, Data Marts, **Data Warehouses** and Cubes to be used for analysis of business performance

**WORK EXPERIENCE**

*Technical Program Manager III*| Hyve Design Solutions| Fremont, CA 2021 – PRESENT

Server/Rack Solution TPM, responsible for AWS Rack and System development, 2nd source validation at NPI stage. Develop schedules, critical deliverables, resource allocation plan, NRE and other support requirements. Discuss spec and technical issues with customers to precisely fulfill demand and achieve goals

* **Collaborate directly with engineers, quality assurance, supply chain, operation and sales team to scope, plan, track and deliver projects in a timely manner.** Proactively identify, mitigate and manage risks to ensure success, Lead the team through ambiguity and challenges
* Define system roadmap, features and marketing strategy to align with company’s product plan.
* Use agile project management/tracking like Jira, Confluence, MS Project, Excel to effectively communicate program plan, urgent tasks to get alignment between customers and team members
* Resolve issues with data-driven tools like **Fishbone Diagram, DMAIC** to effectively lead the team and meetings to figure out the root cause and corrective actions
* **In charge of the top hyper scale computing rack project which generates 40% of annual revenue**

*Principal Engineer – Product Development Engineer* | FOXCONN | Cupertino, CA 2020 – 2021

**iPhone team leader (US X4, CN X2) of Display Module and Cover Glass.** Analyzed data and created manufacturing reports like DFM to assist Apple engineers to overcome design and manufacturing challenges

* **Prepared slides and conducted presentations to Apple executive and management levels to explain iPhone development status, challenges, and major issues**
* **Analyzed and visualized data with JMP and Excel to negotiate product spec with Apple team and to reach for decent yield and mass production criteria**

*Senior Product Manager – Mechanical Architect*| Ablecom Technology Inc. | San Jose, CA 2011 – 2020

Lead a team (PM X1, QE X1, MT X2) to solve all quality and design issues in US. **Directly worked at SUPERMICRO as a mechanical specialist in the core product planning team lead by SUPERMICRO CEO, responsible for concept and architecture design of all SUPERMICRO products**

*Mechanical Engineer*| INVENTEC | Taoyuan, Taiwan 2006 - 2010

Experienced designer can independently work with client (DELL, NEC…etc.) on a whole system project from scratch (EVT, DVT to PVT). **Developed 8 patents in Taiwan & China, half of them were applied in mass production**

**EDUCATION**

MS in Applied Data Science – Syracuse University | Syracuse, NY 2019 – PRESENT

BS in Mechanical Engineering - Yuan-Ze University | Taoyuan, Taiwan 2004

Data Analytics and Visualization Certificate - Berkeley Data Analytics Boot Camp | Berkeley, CA 2018

Deep Learning Specialization - COURSERA 2018

PMP 35 contact hours certification - Institute for Information Industry | Taipei, Taiwan 2006