

Cheng-Pang (Tego) Chang

A data scientist with 4+ years of product analytics experience in the high-tech industry, dedicated to extracting insights from data to drive product development and formulate business strategies.

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Education

Duke University, Durham, NC, <i>Master of Interdisciplinary Data Science (MIDS)</i> ; GPA: 3.8/4.0	Expected May 2023
National Taiwan University, Taiwan, <i>Master of Computer Networking & Telecommunication</i>	Jan. 2011
National Cheng Kung University, Taiwan, <i>Bachelor of Electrical Engineering</i>	Jun. 2008

Experience

2nd Order Solutions	Capstone Project@Duke MIDS, USA
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<i>Data Scientist – Interpretable Machine Learning</i>	Sep. 2022 ~ Present
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- Evaluated the performance of Explainable Boosting Machine (EBM) and Gradient Boost Machine (GBM) in execution duration and interpretability by applying them to a classification prediction problem.
- Validated the practicability of applying EBM to credit advisory topics in the fintech industry by generalizing the model pipeline and interpretation methods.

TeleSign	USA
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<i>Product and Data Science Intern – IoT Risk Prediction</i>	Jun. 2022 ~ Aug. 2022
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- Proposed to the CTO a potential business opportunity in the IoT industry by developing a project from scratch – *Mobile Auth for Wi-Fi Access*, which leverages the company's strength, Two-factor Authorization (2FA), and machine learning to evaluate the risk of every Wi-Fi device.

Foxit Software	Taiwan
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<i>Senior Product Manager – Document AI</i>	Sep. 2020 ~ May 2021
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- Built and released an AI contract review service, *iDox.ai*, by leading a team to collaborate with external stakeholders to integrate legal domain knowledge into the outcomes from ML models.
- Ensured production requirements, e.g., logging and alerting, are met by participating in the design meetings of DevOps and MLOps processes.

NETGEAR	Taiwan
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<i>Software Engineering Product Manager – Wi-Fi Router Analytics</i>	Aug. 2017 ~ Apr. 2020
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- Enriched the company's data dictionary by 30% (400+ attributes) by collecting requirements from diverse stakeholders, designing corresponding technical specs, and leading internal and external teams to complete implementation.
- Verified the correctness of the data by collaborating with data engineers to troubleshoot issues during the cloud data processing pipeline.
- Conducted the company's data-driven decision-making process by visualizing the outcome of the collected data, identifying key metrics, and extracting business insights for the executives of the engineering and marketing teams.

SYNOLOGY	Taiwan
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<i>Software Product Manager - Wi-Fi Router</i>	Apr. 2015 ~ Jun. 2017
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- Managed four major and several minor software releases by defining practical development plans and driving teams cross-functionally to meet schedules.