Contact

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(LinkedIn)
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(Personal)
3js-web.vercel.app/ (Personal)

Top Skills

docker

Kubernetes

OpenCV

Certifications

Tableau 10 Essential Training

Kubernetes and Cloud Native
Essentials (LFS250)

Learning Python

NLP with Python for Machine
Learning Essential Training

Data Ingestion with Python

Honors-Awards

SgIS Mid-Term Scholarship
Recipient

Publications

Towards Atomicity and
Composability in Cross-Chain NFTs

Wen Qing Ong

Rationalization Engineer at Murata | MSc in AI (class of 2025)
Singapore

Experience

Murata
3 years 8 months

Rationalization Engineer
October 2023 - Present (1 year 4 months)
Singapore

Aims: Improvement to manufacturing process via innovate solution in Software
Or Hardware aspects

Main role: Software Design and Development
-Implementation of computer vision and image processing techniques in
OpenCV
-Utilizing Python for machine learning and data sciences
-Frontend development for user using JavaScript and React.js (Under study
phase)
-Designing of AI architecture and model training for In-house application
-Research and experiment with state of the art AI model such as Transformer
model, CNN , RCNN and YOLO

Process Engineer
June 2021 - October 2023 (2 years 5 months)
Yishun, Singapore

Process in-charge: Mixing/Milling and sheet coating process for MLCC
- Ensure product quality and control in Process
- Deals with daily production product quality trouble and give technical support
to production
- Investigate the cause of non conformity and write failure analysis report and
corrective action report
-Implementation Lean Six Sigma for Manufacturing Process
-Design of Experiments (DOE) for Evaluation Manufacturing lots and new
product setup
-Project management to ensure experiment and investigation proceed smooth
- Solving problem with San Gen (Genba, Genbutsu, Genjitsu)

Murata

Production Engineering Intern
January 2021 - February 2021 (2 months)
Yishun, Singapore

6 Weeks Internship

Production Engineering

-Familiarization of Data analytical tools (JMP, Excel VBA and ImageJ)
-Establish plan prioritize and execute Engineering activities
-Propose plan & implement quality preventive/ improvement activities
-Collecting data required to make process improvements and/or modifications and reduce
process waste

Infineon Technologies Asia Pacific Private Limited
Data automation intern
January 2020 - June 2020 (6 months)
Singapore

-Maintenance of daily data extraction and visualisation for Tableau Lot
Rejection Rate (LRR) report
-Use of Tableau for other KPI reporting
-Use of Excel VBA and Python for automation

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Education

Nanyang Technological University Singapore
Master of Science - MS, Artificial Intelligence · (August 2022 - April 2025)

Nanyang Technological University
Bachelor of Engineering - BE, Materials Science and
Engineering · (2017 - 2021)