Michael Gauci

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EDUCATION

Master of Science in Metamaterials   Oct 2018 – Mar 2022
University of Malta

- Received a Pass with Distinction
- Awarded the Masters Distinction Award in recognition of outstanding performance during the M.Sc. studies

Bachelor of Science (Honours) in Chemistry   Oct 2015 – Dec 2018
University of Malta

- Completed with a Second Class Honours (Upper Division)
- Presented joint research at the 2018 Malta National Chemistry Symposium on the influence of vehicular traffic patterns on particulate matter pollution levels
- Earned a Certificate of Merit for the final year project *On Folded Graphene and its Properties: A Preliminary Study*

EXPERIENCE

Quant Researcher   Apr 2022 – Current
Self-employed   *Europe*

- Designed the database infrastructure needed to support a portfolio management system on a cloud provider
- Identified trading strategies for investment opportunities in the US equity market
- Currently editing *A Hitchhiker's Guide to Quantitative Finance*, a book which focuses on the interdisciplinary nature of quantitative finance, bridging the fields of mathematics, statistics, finance, and computer science

Founder   Oct 2018 – Dec 2019
Port Mobility   *Malta*

- Coordinated with a team of IT specialists to develop the service architecture for a micro-mobility sharing platform
- Led a comprehensive procurement exercise for the provisioning of scooter hardware, which included a trip to China for face-to-face meetings with suppliers
- Pitched at the 7th edition of ICTSA's The Million Dollar Idea, finishing in 2nd place

CERTIFICATION

AWS Certified SysOps Administrator - Associate   Jan 2022
Amazon Web Services

AWS Certified Developer - Associate   Dec 2021
Amazon Web Services

AWS Certified Solutions Architect - Associate   Nov 2021
Amazon Web Services

Certificate in Language Proficiency in German   Jun 2020
University of Malta

ECDL Core Level 2 Certificate   Jun 2012
ECDL Malta

PROJECTS

Dotman: Bash dotfile management and automation system for desktop Linux
Replotter: Python GUI application to extract data points from graphical images, also available as a VBA macro
Literature Toolkit: Jupyter notebook for exploratory analysis of a literature corpus using unsupervised machine learning
Personal Website: Designed in Figma, built with Astro, TailwindCSS, and GSAP, and hosted on GitHub Pages