

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 on Maltese PM_x 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

Solo

Europe

- Developed and maintained data processing pipelines with dbt and DuckDB
- Analysed and interpreted unstructured datasets using advanced statistical techniques
- Designed and implemented predictive models for investment opportunities in the US equity market

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

Literature Toolkit: A collection of Jupyter notebooks for the analysis of academic literature using machine learning

Personal Website: An Astro website, designed in Figma, which uses TailwindCSS and GSAP, hosted on GitHub Pages

Dotman: A Bash dotfile management and automation system for desktop Linux

Replotter: An open-source utility for extracting data points from graphical images, available in both Python and VBA