MEMEL ANGE PATRICK THEOPHANE AGNIMEL

https://magnimel.github.io | Kelowna, British Columbia, Canada

EDUCATION AND HONORS

University of British Columbia, Irving K. Barber Faculty of Science — Kelowna, Canada
BSc Bachelor of Science — 2022–2026
- **Specialization**: Major in Computer Science & Minor in Data Science

University of Wolverhampton, School of Engineering — Wolverhampton, U.K.
BEng (Hons) Chemical Engineering — 2019–2021
- **Cumulative GPA**: 4.0 / First–Class
- Ivorian government's scholarship (Full scholarship awarded for top baccalaureate students)

SKILLS AND INTERESTS

- **Programming Languages**: Python, SQL, Java, C, MATLAB & Simulink, HTML, CSS, JavaScript
- **Operating Systems**: macOS, Windows
- **Data science & miscellaneous**: MATLAB (Deep learning toolbox), Python (e.g. NumPy, pandas, matplotlib), Advanced Excel proficiency (What–if Analysis, Lookup, Power Query, Pivot table, Dashboard, Data manipulation), Machine Learning, Cost and Economic evaluation, laboratory skills, Design of Experiment, AutoCAD, Git, GitHub
- **Languages**: French (native), English (Fluent)
- **Interests**: Trading/Investing, A.I./Robotics, Martial Arts, Guitar, Asian Cuisine
- **Self-learning**: CS50: Harvard University's Introduction to Computer Science (To-be completed)

PROFESSIONAL EXPERIENCE

SIR – Ivorian Refining Company — Abidjan, Côte d'Ivoire
Internship – Industrial Computing & Automation — Summer 2022
- Conducted supervised maintenance on equipment and instrumentation within the refinery.
- Learnt about Industrial Control System Architecture & Distributed Control System (DCS) in a professional environment.
- Utilized python to implement unsupervised machine learning techniques for a web–based sentiment analysis on oil price for economics planning and scheduling of the refinery operation.

ASECNA – Aerial Navigation Safety in Africa and Madagascar — Abidjan, Côte d'Ivoire
Internship – Air Traffic Control Center — Summer 2018
- Operated air navigation equipment and Instrument Landing System in a professional environment
- Learnt about Control Systems and Air Traffic Management technologies such as RADAR, VOR / DME, ADS–B

PROJECTS AND LEADERSHIP

Group Consultancy Project Leader — Wolverhampton, U.K.
GSK Chemical Engineering Design Project — 2020–2021
- Collaborated with 3 group members to design a chemical plant to produce an annual throughput of 1000 ton of amoxicillin trihydrate along with a wastewater treatment plant to manage and reduce waste to U.K. legal limits
  - Produced a report and gave a technical presentation on the results to industry experts and a panel of academics (70%)

Researcher – Chemometrics — Wolverhampton, U.K.
Machine Learning Project — 2021
- Collaborated with 2 group members to develop an Artificial Neural Network model using MATLAB to predict the physio–chemical properties of Ionics liquids with potential uses for carbon capture

Musician & Guitar player — Wolverhampton, U.K.
University of Wolverhampton — 2020
- Organized summer guitar tutoring sessions for university students
- Performed during Sunday mass at local church

Mathematics Teacher — Birmingham, U.K.
Birmingham Church Volunteering — 2019
- Organized mathematics tutoring sessions for elementary and secondary school students

Academic Enrichment Program — Tokyo, Japan
Miraikan, National Museum of Emerging Science and Innovation — Summer 2019
- Organized and self–planned a trip to Japan to observe Japan's technological expertise and advancement in robotics and discover Japanese culture