

# 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  
BSc Bachelor of Science

Kelowna, Canada  
2022–2026

- **Specialization:** Major in Computer Science & Minor in Data Science

**University of Wolverhampton**, School of Engineering  
BEng (Hons) Chemical Engineering

Wolverhampton, U.K.  
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  
Summer 2022

Internship – Industrial Computing & Automation

- 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  
Summer 2018

Internship – Air Traffic Control Center

- Operated air navigation equipment and Instrument Landing System in a professional environment
- Learnt about Control Systems and Air Traffic Management technologies such as ILS, 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