

# MEMEL ANGE PATRICK THEOPHANE AGNIMEL

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

## EDUCATION AND HONORS

<b>University of British Columbia</b>	<i>Irving K. Barber Faculty of Science</i>	Kelowna, Canada	<b>2022-2026</b>
BSc Bachelor of Science			
<ul style="list-style-type: none"><li><b>Specialization:</b> Major in Computer Science – <i>Third Year Standing</i></li></ul>			
<b>University of Wolverhampton</b>	<i>School of Engineering</i>	Wolverhampton, U.K.	<b>2019-2021</b>
BEng (Hons) Chemical Engineering			
<ul style="list-style-type: none"><li><b>Cumulative GPA:</b> 4.0 / First-Class</li><li>Ivorian government's scholarship (Full scholarship awarded for top baccalaureate students)</li></ul>			

## SKILLS AND INTERESTS

- Skills:** Python | SQL | Java | C | MIPS Assembly Language | MATLAB & Simulink | HTML | CSS | JavaScript | Advanced Excel proficiency | laboratory skills | AutoCAD | Git | GitHub | French (native) | English (Fluent) | OOP | API | Computer Architecture
- Interests:** Economics, A.I./Robotics, Martial Arts, Guitar, Asian Cuisine

## PROFESSIONAL EXPERIENCE

<b>Industrial Computing &amp; Automation Intern</b>	<i>SIR (Ivorian Refining Company)</i>	Abidjan, Côte d'Ivoire	<b>Summer 2022</b>
<ul style="list-style-type: none"><li>Conducted hands-on maintenance and assessments on key equipment and instrumentation.</li><li>Delved into the complexities of Industrial Control System Architecture &amp; Distributed Control System (DCS), enriching my professional grasp on industrial automation and control.</li><li>Implemented unsupervised machine learning techniques using Python for a web-based sentiment analysis on oil prices, aiding in economic planning and refinery operations scheduling.</li><li>Collaborated within a team to strategize and research the feasibility, benefits, and strategies for AI integration in the refinery's overall operations.</li></ul>			
<b>Air Traffic Control Center Intern</b>	<i>ASECNA</i>	Abidjan, Côte d'Ivoire	<b>Summer 2018</b>
<ul style="list-style-type: none"><li>Acquired hands-on expertise with cutting-edge air navigation hardware, delving into technologies like ILS, RADAR, and ADS-B.</li></ul>			

## PROJECTS AND LEADERSHIP

<b>Image Filter and Edge Detection</b>	<i>Personal Project</i>	Kelowna, Canada	<b>Summer 2022</b>
<ul style="list-style-type: none"><li>Developed a C program to apply filters on BMP images, additionally leveraging the Sobel operator for edge detection in computer vision.</li></ul>			
<b>Personal Portfolio Website</b>	<i>Personal Project</i>		<b>Online</b>
<ul style="list-style-type: none"><li>Developed a portfolio website using GitHub Pages, HTML, JavaScript, CSS, and Google Analytics to showcase my journey, insights from books, travel experiences in Japan, and professional experiences.</li></ul>			
<b>Chemical Engineering Capstone Project</b>	<i>University of Wolverhampton</i>	Abidjan, Côte d'Ivoire	<b>2020-2021</b>
<ul style="list-style-type: none"><li>Led the design and execution of a GSK Project to produce 1,000 tons of amoxicillin trihydrate annually while optimizing overall operation with dynamics modelling and Excel tools and ensuring waste compliance with U.K. standards.</li></ul>			
<b>Machine Learning Project - Chemometrics</b>	<i>University of Wolverhampton</i>	Abidjan, Côte d'Ivoire	<b>2020-2021</b>
<ul style="list-style-type: none"><li>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.</li></ul>			
<b>Musician &amp; Guitar player</b>	<i>University of Wolverhampton</i>	Abidjan, Côte d'Ivoire	<b>2020-2021</b>
<ul style="list-style-type: none"><li>Organized summer guitar tutoring sessions for university students.</li><li>Performed during Sunday mass at local church.</li></ul>			
<b>Mathematics Teacher</b>	<i>Birmingham Church Volunteering</i>	Birmingham, U.K.	<b>Summer 2019</b>
<ul style="list-style-type: none"><li>Organized mathematics tutoring sessions for elementary and secondary school students</li></ul>			
<b>Academic Enrichment Program</b>	<i>Miraikan</i>	Tokyo, Japan	<b>Summer 2019</b>
<ul style="list-style-type: none"><li>Organized and self-planned a trip to Miraikan, Japan's National Museum of Emerging Science and Innovation, to delve into Japan's technological expertise in robotics and appreciate the nuances of Japanese culture.</li></ul>			