



RESUME

MATHIAS BIRK OLSEN



ABOUT ME

Curious and creative, I blend technical skills with hands-on experience, thriving in collaborative environments. My diverse background enhances my adaptability and leadership, making me a dynamic software engineer. Whether developing features, woodworking, or teaching, I channel creativity and problem-solving into all I do. Eager to learn and grow, I am enthusiastic about contributing to meaningful solutions.



WORK EXPERIENCE

- ⌵ **Student Assistant at ORBIT** **2021–2024**
Department of Electrical and Computer Engineering, Aarhus University
- ⌵ **Software Engineering Intern** **2021**
CERN, BE-ICS-CE
Various maintenance and refactoring tasks within the wccadm python library and command line tool. This included adding support for WinCC OA 3.19, updating the packages-structure and test-suite.
- ⌵ **Ski Instructor, Tourist Guide and Golf Marshal** **2019–2020**
Sun Peaks Mountain Resort, Canada
- ⌵ **Event and Project Coordinator** **2017–2019**
Innovation Department, Viden Djurs
Defined and led a new part of the innovation department. I coordinated event projects that ranged from 1 staff, 5 participants to 45 staff and 1,100 participants.



EDUCATION

- ⌵ **Software Technology Diploma Engineer** **2021–2024**
Department of Electrical and Computer Engineering, Aarhus University
The graduation project consisted of the development of an Android application as part of an enteral food delivery system. The application used Bluetooth to configure the embedded device that delivered the food and was developed fully with F#. The project also included detailed requirement specifications and a project management process that greatly boosted the outcome of the project.
- ⌵ **CSIA Level 2 Ski Instructor and AST level 1 from Avalanche Canada** **2019–2020**
- ⌵ **Event Coordinator** **2018–2019**
International Business College Kolding
- ⌵ **Higher Technical Exam, High School** **2013–2016**
Game College, Viden Djurs



CONTACT



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Ikke flytbar



PROFICIENT

F# C# Git Agile

Project Mangement

PlantUML Testing



DEVELOPING

Python SQL ASP.net

Linux/unix MongoDB

C/C++



EXPLORING

Haskell Docker Bash

Nix Embedded CNC

Type Driven Development