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📍 Turku

🌐 <https://cv.omorodion.fi> | <https://www.linkedin.com/in/omorodionjeffery/> |

🌐 <https://github.com/jomorodi>

WORK EXPERIENCE

Laboratory of Process and Systems Engineering, Åbo Akademi

Doctoral Researcher at Laboratory of Process and Systems Engineering 06/2020-present

- Research is related to the application of coupled finite volume and Discrete Elements in studying some aspects of multiphase flow in the blast furnace.
- Analysis and evaluation of the large quantities of generated data are performed using high-performance computing resources (Puhti and Mahti) of the IT Centre of Science (Finland) for distributed computing.
- literature review and identifying sources of information relevant to the present studies and writing of scientific reports.

SSAB oy

Master Thesis Worker 04/2018-06/2019

- Industrially driven project in collaboration with Laboratory of Process and Systems Engineering at Åbo Akademi
- Application of the Discrete Element method in the study of segregation in polydisperse particulate material during charging and descent.

ESN Åbo Akademi

Board Secretary 09/2018-12/2018

- Writing the minutes for each meeting
- assisting in the organisation of events and implementation of other tasks assigned by the board

Åbo Akademi University

Student tutor 09/2017-06/2019

- Assisting new students with integration into the university and local environment
- Answering questions from the new students, directing them to the appropriate support service

University of Turku

Conference Assistant 08/2017

- Assisting in the organization of the Work2017 conference.

Yintab private academy

ScienceTeacher 01/2016-07/2016

- Preparation of the lesson notes and teaching scientific concepts to the students.
- grading and evaluation of students. Education

EDUCATION

Åbo Akademi University

M.Sc.(Tech) Chemical Engineering - 4 GPA June 2019

University of Benin

B.Eng Chemical Engineering - 3.5 GPA November 2015

PROJECT

end to end ml project

2023

- website: <https://ml.omorodion.fi/>
- project utilized streamlit for the frontend and fastAPI for the backend which also used the Silero models to convert text to speech
- Implemented containerized solutions hosted on Oracle Cloud.

React-based Weather App

2024

- website: <https://weather.omorodion.fi/>
- This project is based of React and made as a solution to the University of Helsinki [https://fullstackopen.com/en part 2.19-2.20](https://fullstackopen.com/en/part-2.19-2.20). it handled an edge case which was not part of the requirements the case where a country is a substring in another country

Other Project

- CV: <https://cv.omorodion.fi/> This website contains my CV and other projects I have built.
- Diary: <https://diary.omorodion.fi/> created to keep a personal diary

SKILLS

- Programming Languages: C, C++, C#, Python, JavaScript, SQL, HTML, CSS
- Tools & Technologies: Docker, Git, CMake
- Databases: PostgreSQL
- Frameworks: React, Django, .NET core, Nodejs

OTHER

- Certifications: Kaggle SQL, Python, Machine Learning pandas
- Software Development Methodologies: Agile, Scrum, TDD, Continuous Integration, Pair Programming
- Languages: English (fluent), Swedish (conversational)