

SUMMARY

Highly-motivated individual with several years of experience in data-intensive science and a broad range of technical skills. Interested in careers in data science and machine learning.

EDUCATION

- **University of Glasgow / CERN** Glasgow, UK / Geneva, Switzerland
PhD in High-Energy Particle Physics Sept. 2019 – Mar. 2023
- **University of Glasgow** Glasgow, UK
Masters Degree in Theoretical Physics, with Distinction Sept. 2018 – Sept. 2019
- **University of Glasgow** Glasgow, UK
Integrated Masters Degree in Mechanical Engineering with Aeronautics Sept. 2012 – May 2017

EXPERIENCE

- **CERN** Geneva, Switzerland
PhD Researcher Sept. 2019 - Present
 - Built Python-based data pipelines for a variety of physics analyses.
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 - Developed skills and frameworks for visualising analysis results.
 - **Apache Beam**: Apache Beam is a unified model for defining both batch and streaming data-parallel processing pipelines, as well as a set of language-specific SDKs for constructing pipelines and runners.
- **Softcat** Glasgow, UK
IT Sales Specialist Jan. 2018 - Oct. 2018
 - Developed an understanding of the IT market.
 - Experience in a fast-paced, non-academic environment
 - Developed teamwork and communication skills through client presentations.

PROGRAMMING SKILLS

- **Languages:** Python, C++, Julia, SQL
- Technologies:** AWS, Play, React, Kafka, GCE