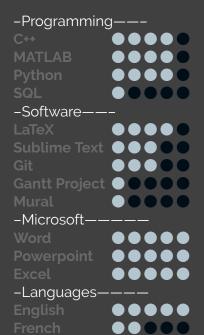
Flat 1/1 65 Avenuepark Street, Glasgow, G20 8LN

+44 7964 871 575

dwayne\_spiteri94@hotmail.co.uk

dwayne-spiteri-29224489

## **Technical Skills**



## **Achievements**

- University of Birmingham Personal Skills Award (PSA) Advanced (2015). Shortlisted for PSA Student of the Year.
- Level 3 CMI Project Management Course (2019).
- Level 1 SISA Accreditation Glasgow Business School (2020).

## **Interests**

- I play badminton and go bouldering once or twice a week. I also enjoy snowboarding.
- I enjoy tabletop games of skill such as bridge and chess; I have a variety of board games.

## References

#### **Professor Aidan Robson**

PhD Supervisor University of Glasgow Glasgow G12 8QQ aidan.robson@cern.ch

## **DWAYNE SPITERI Ph.D**

## **Education**

2012 - 2016 | University of Birmingham

MSci Physics with Particle Physics and Cosmology

· 1st Class

2016 - 2021 | University of Glasgow

Ph.D in Experimental Particle Physics

Based at CERN, Geneva from July 2017 - December 2018.
Thesis Hyperlink - Higgs boson studies: associated production with a vector boson and decay into b-quarks using the ATLAS Run-2 dataset.

## **Research Experience**

Jul 2015 - Sep 2015 | **FLC Group** 

## Summer Internship at DESY, Hamburg

- Tested the properties of Si sensors in a clean room laboratory for the FLC Group.
- Used C++ to perform fits on laboratory data.
- Presented my work and wrote a 17 page report summarising my findings.

Jul 2017 - Nov 2018 **ATLAS Experiment** 

## **Tracking Combined Performance Group**

- Investigated track objects that arise due to incorrect combinations of hits made in the Inner Detector (fake tracks).
- Parametrised the differences between Monte Carlo modelling of track objects and tracks reconstructed from data.
- Derived recommendations for the uncertainty on the number of fake tracks found in Monte Carlo simulations for the entire ATLAS collaboration.

Mar 2018 - May 2020

**ATLAS Experiment** 

### VHbb Analyses Member

- ullet Member of two analysis teams that made the first observation and measurements of the Higgs boson decay to b-quarks via associated Vector Boson production (VHbb).
- Contributed to a shared data analysis software framework based in C++ with Python wrapper scripts.
- Investigated and corrected unexpected fluctuations in a statistical fit model containing thousands of nuisance parameters.

# **Public Engagement Experience**

Nov 2016 - Mar 2020

#### Pint Of Science Festival Organiser

- Led a team of four people to create themed events over three nights for 90-120 members of the public.
- Organised events for the Glasgow branch of the festival in 2017 (Creative Reactions), 2019 (Our Society) and 2020 (Planet Earth).

Jan 2017 - Mar 2020

# UK Co-ordinator for the ATLAS Virtual Visit Programme

• Managed a team of volunteers at the CERN lab in Geneva delivering video conferences to schools and the general public on behalf of the ATLAS collaboration.