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

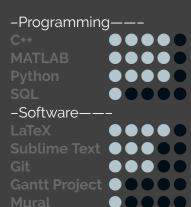
+44 7964 871 575

 ${}^{\smile}$ 

dwayne\_spiteri94@hotmail.co.uk

dwavne-spiteri-29224489

## Technical Skills



-Microsoft-•••• -Languages--

**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 and 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**

- 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
- 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.