ABDI NOOR

💼 WORK EXPERIENCE

Noor Tutoring Services
🌐 http://www.noortutoring.co.uk
January 2013 – Present

Owner/Tutor
I started a tutoring business offering all levels of Maths and Physics tuition.

Highlights

◁ I designed and taught a physics course, at the Liverpool International Language Academy (LILA), for students studying for English language qualifications in order to study Engineering at undergraduate level.

◁ I provide study support and note-taking services, for disabled students studying Engineering/Maths/Physics, at the University of Liverpool & Liverpool John Moores University.

University of Liverpool
January 2013 – May 2013

Market Research Consultant
I was part of a team that applied for a grant from the Science and Technology Facilities Council (STFC), to develop beampipes for High Energy Physics made from composite materials with a Non-Evaporable Getter (NEG) coating, as part of the Innovations Partnership Scheme (IPS). IPS grants are designed to transfer technology and expertise developed from STFC funding to the marketplace in partnership with industry and other academic disciplines.

Highlights

◁ I investigated alternative uses for the technology in other academic disciplines. I also identifying potential academic partners, and liaised with them in order to determine the feasibility of the alternative uses of the technology.

◁ I performed market research and analysis on the commercial possibilities of the alternative uses of the technology.

University of Liverpool
🌐 http://hep.ph.liv.ac.uk/~abdi
September 2006 – November 2012

PhD Student
I worked as part of the LHCb collaboration at the Large Hadron Collider (LHCb), at CERN in Geneva Switzerland. I worked on the silicon strip Vertex Locator detector (VELO), and analysed data from a testbeam.

Highlights

◁ I was on attachment for 3 years in Geneva at CERN.

◁ I wrote monitoring algorithms in C++, and python scripts that allowed us to track the performance of the VELO. Shift leaders reviewed the output of the scripts, this ensured the quality of the data collected. The continued successful operation of the VELO was aided by the ability to easily monitor the detector performance.

◁ I developed C++ monitoring code for a testbeam of irradiated VELO sensors at the Fermi National Laboratory (FNAL), USA. The code was central to the ability of the experiment to asses the quality of the data being gathered. I also analysed the data to measure the effect of radiation damage on the sensors.

◎ CONTACT

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🌐 **http://abdi.io**

in **LinkedIn**
abnoor

🐙 **GitHub**
abnoor

🏛 EDUCATION

2002
2006

University of Liverpool
🎓 MPhys First Class (Hons)

Physics

2006
2012

University of Liverpool
🎓 PhD

Experimental Particle Physics

☰ SKILLS

Communication

Seminar/Presentation   **Teaching**

Technical Communication   **Technical Writing**

Analytical

Data Analysis   **Problem Solving**   **Research**

Statistical Modelling   **Quantitative Analysis**

Computing

Word   **Excel**   **Powerpoint**

Programming

C/C++   **Python**   **HTML**   **CSS**

ROOT (Data Analysis Framework)

GUADI (Data Processing Framework)

Operating Systems

Linux (Debian, SLC, CrunchBang, Ubuntu)   **OSX**

🈯 LANGUAGES

◁ English   **Native speaker**

◁ Somali   **Native speaker**