Abdi Noor

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WORK EXPERIENCE

Red Ninja Studios – Data Scientist

2016-01-09 – Present

I work on the LiFE project, a smart cities initiative funded by Innovate UK. The aim of the project is to reduce the time it takes for emergency vehicles to reach patients in a critical condition. This is done by using a predictive algorithm to estimate the arrival time of emergency vehicles at traffic lights, and then change the traffic lights to green. I am responsible for the development of the algorithm in Python/PostGIS, and the development of the code that calculates the traffic light transitions in C++.

The City of Liverpool College – Physics Lecturer

2016-09-01 – 2017-07-01

I worked as a Lecturer in the Physics department delivering GCSE, A-Level and Access to HE courses.

Noor Tutoring Services – Owner & Tutor

2013-01-01 – 2016-01-01

I started a tutoring business offering all levels of Maths and Physics tuition, from GCSE through to University level. Some of my clients included The University of Liverpool, Liverpool John Moores University, The City of Liverpool College, and the Liverpool International Language Academy.

University of Liverpool – Market Research Consultant

2013-01-01 – 2013-06-01

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 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.

University of Liverpool – PhD Researcher

2006-10-01 – 2012-11-05

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). I wrote monitoring algorithms in C++, and python scripts that allowed us to track the performance of the VELO. I developed C++ monitoring code for a testbeam of irradiated VELO sensors at the Fermi National Laboratory, 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.

EDUCATION

University of Liverpool

MPhys First Class (Hons)

2002-09-01 - 2006-06-01

University of Liverpool

PhD

2006-10-01 - 2012-12-05

SKILLS

Communication

Seminar/Presentation

Teaching

Technical Communication

Technical Writing

Computing

Linux

Bash

C/C++

Python

PostgreSQL

PostGIS

Redis

ROOT

GUADI

Analytical

Data Analysis

Problem Solving

Research

Statistical Modelling

Quantitative Analysis

LANGUAGES

English

Native speaker

Somali

Native speaker