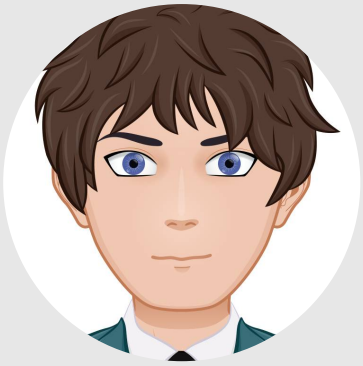

Alexander Morton

Software Developer

07397987811

alexandermorton.co.uk

alex@alexandermorton.co.uk

About me

A software developer with a 1st class masters in theoretical physics. Experienced in advanced mathematics, physics and programming. Looking for a challenging position to expand my understanding of this fascinating field.

Skill

C++

Javascript

CSS

HTML

Bash

C#

Python

React⋆5 Node⋆4 Docker⋆3 Git⋆4.5 Gulp⋆3 Webpack⋆3 MongoDB⋆3 Neural Nets⋆2 Public Speaking⋆4 Mentoring⋆3

(*)[The skill scale is from 0 (Fundamental Awareness) to 6 (Expert).]

Education

2008-2013	MSc in Theoretical Physics 1st Class	Glasgow University
2007-2008	Advanced Highers Mechanics(A*)/Math(A)/Physics(A)	Lenzie Academy

Publications

Apr 2016	Test beam evaluation of newly developed n-in-p planar pixel sensors for use in a high radiation environment
Mar 2015	Search for a new resonance decaying to a WW or ZZ boson and a Higgs boson in the ll/lν/νν+bb$^-$ ll/lν/νν+bb$^-$ final states with the ATLAS Detector
Mar 2015	ATLAS Forward Proton Phase-I Upgrade
Apr 2013	The Timepix Telescope for High Performance Particle Tracking

Awards

2008-2013	Glasgow University Talent Scholarship
2008-2013	Taylor Wimpey Scholarship
2008-2013	IOP Scholarship

Experience

2016-present	Freelance Full Stack Web Developer Helped create websites for businesses. My work involved frontend, backend and aspects of deployment.	
2014-2016	Postgraduate Researcher Continued to advance my programming expertise through exotic particle physics and mentoring undergraduates. The research concerned the statistical significance of hypothesised high mass resonances decaying to a vector boson and Higgs boson.	University of Glasgow
2013-2014	Postgraduate Researcher Gained valuable experience of software development through the prism of detector physics. The goal of this research was to characterise silicon micrometre strip sensors designed for high precision tracking of charged high energy particles.	DESY(Hamburg)

Other Information

If you would like to read some of the publications I have contributed to then links can be found on my website. Finally, if you have any questions or would like references then don't hesitate to ask.