Daniel Holmes

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Personal Statement

I am outgoing, enthusiastic and always willing to learn new things. I have a keen interest in problem solving, mathematics and computer science. I am good at taking instructions, as well as using my initiative and I'm always up for a challenge. I am reliable, hardworking and pride myself on giving my all to everything that I pursue.

Key Skills

Languages

Proficient:
C++ • Python.

Experienced:
C# • Ada • Java • Pascal • Mathematica • MATLAB.

IT

Software:
MS Office • LaTeX • Jenkins • Git.

Operating Systems:
Windows • Linux.

General

Data analysis • Teamwork • STEM Communication.

Education

GCSEs

St. Wilfrid's C of E Academy | 2008-2013

5 A* and 5 A, including English and Mathematics.

A-Levels

Clitheroe Royal Grammar School | 2013-2015

- Physics   - A*
- Mathematics   - A*
- Further Mathematics   - A*
- Computing   - A

MPhys in Physics w/ Theoretical Physics

University of Manchester | 2015-2019

Graduated with First-Class Honours.
Areas of interest:
Financial modelling • computation • artificial intelligence • stochastic systems • dynamics • game-theory • particle physics.

Experience

Martin Baker Aircraft Co. | Graduate Software Engineer

July 2018 - September 2018 and July 2019 - Present

- Developing pyrotechnics and rigid-body kinetics simulations.
- Developing tools for testing and verifying safety-critical embedded systems.
- Implementing improved Continuous Delivery systems.

Hobbies and Interests

I have a keen interest in music of all genres. I was classically trained in piano from a young age and I am also a self-taught guitar player. I love to keep fit; I particularly enjoy running, gymnastics and bouldering, which I have done for a number of years. I have always been obsessed with technology, tinkering with whatever I could get my hands on. I am really interested in computer science and I love programming.