

DAVID HASTIE

PERSONAL INFORMATION

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Profile

An intuitive problem solver with a background in physics and analysis. A driven team communicator looking for opportunities to learn new skills and to engage new challenges.

EDUCATION

2015-2016

Master of Science in Physics (MSc)
THESIS SUBMITTED - AWAITING RESULT
University of Kent, Canterbury

- Research upon star formation using a theoretical Fortran model. Found correlations and significant points of interest in data using strong analytical techniques. Research made effective comparisons between observational and theoretical data.

2011-2015

Bachelor of Science in Physics with foundation year (BSc)
UPPER SECOND CLASS HONOURS (67%)

University of Kent, Canterbury

Foundation Year: 71%

Introductory Physics Lab - *62%*
Calculus - *94%*

1st Year: 63%

Skills for Physicists (Lab) - *68%*
Computing Skills - *60%*

2nd Year: 66%

Atomic & Nuclear
Physics - *81%*
Quantum Physics - *58%*

3rd Year: 67%

Numerical & Computational
Methods - *70%*
Solid State Physics - *63%*

- 3rd year lab project over an eight week period to create, code and test a three axis gimbal camera mount using an Arduino controller. Received *74%* mark based upon the final report.
- Achieved *70%* in a 3rd year group research project. Marks based on team presentation and dissertation components.

2008-2010

A levels
The Misbourne School, Buckinghamshire
Mathematics, Physics, Chemistry.

PERSONAL SKILLS

Computing skills

- Computing proficiency gained from hobbies and previous work. Excellent Knowledge with MS office applications and \LaTeX .
- Fundamental Fortran and IDL programming knowledge gained from Masters research. Modules of Image Processing and Numerical Methods focused upon MATLAB techniques.

<i>Problem Solving</i>	<ul style="list-style-type: none"> • Attained through a 3rd year module 'Physics Problem Solving' which required initiative and logical thinking to solve a wide variety of physics based problems. Achieved - 76%. • Masters research tested and applied data analysis techniques learned from other fields of research.
<i>Communication skills</i>	<ul style="list-style-type: none"> • Exceptional written and oral communications attained over many years of laboratory reports and modules with presentation and essay components. • 3rd Year group project required team communication to ensure individuals skills were best utilised and the end product was concurrent. • Independently learnt L^AT_EX to convey scientific research in a professional manner.

TECHNICAL SKILLS

<i>Software</i>	Competent with MS office applications. Fundamental knowledge of MATLAB.
<i>Languages</i>	Competent with L ^A T _E X. Fundamental skills in Fortran, IDL, Python and C++.
<i>Systems</i>	Linux, OS X, Windows.

WORK EXPERIENCE

<i>Self Employed 2014-Present</i>	INDEPENDENT ONLINE RESELLER <ul style="list-style-type: none"> • An independent role requiring discipline and dedication to source and acquire inventory for resale based upon simple business ideas. • Developed an automated python programme that uses an API to track data for a large number of products. Hosted on a personal dedicated R-Pi Server. • Implemented data analysis to measure profitability. An alert system is then used to inform the user of items that reach a threshold.
<i>Pantry (Cafe) 2012-2015</i>	BARISTA <ul style="list-style-type: none"> • A fast paced position requiring team skills including clear verbal communication to accomplish tasks efficiently. • Taught to intuitively fulfil roles as needs fluctuate.
<i>PC World 2010-2011</i>	CUSTOMER SERVICE & COMPUTER REPAIRS <ul style="list-style-type: none"> • A team based role, providing experience in using multiple platforms of communication with colleagues, management and customers. • Served as an introduction to a variety of computer skills including diagnostics and error checking.

INTERESTS

Astro-Photography - Open Source Technology
Custom Computers - Programming - Kick Boxing - Travelling