

# MAXIMILIAN MURACH-WARD

2016



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## OBJECTIVES

I am seeking an industrial placement where I can apply the skills I have learnt at university, pursue my interests, deepen my knowledge and understanding, and gain hands-on computing and electronics experience in a business environment.

## EDUCATION

### Lancaster University

2016 July MSci Hons: Computer Science (BSc level completed with 1<sup>st</sup> class hons)  
2014 July Minor Course: German Studies (2.1)

### Bradford Grammar School

2013 June GCE A Level: Electronics (A\*), German (A), Physics (B)  
GCE L3 EP: The Raspberry Pi (A) (AS equivalent)  
2012 June GCE AS: German (A), Physics (A), Electronics (A)  
2011 June GCSE: Ten subjects, grades A\* - B including: Physics (A), English (B), Information & Communication Technology (A\*), and Mathematics (A)  
2010 June GCSE: German (A\*)  
2010 June RSM Grade 3: Violin (pass with distinction)  
2008 May Trinity College: Initial Piano (pass with merit)

### Open University

2012 July T155 L1: Linux: an introduction (10 credits module)

## SKILLS

Languages: C, C++, Java, Python, SQL  
OS: Windows, UNIX, LINUX, OS X, Android  
Other: Electronics, fluent German, UML, full clean driving licence

## EXPERIENCE AND POSITIONS OF RESPONSIBILITY

### CCL Computers Ltd

2012 July Technician One week placement in "PC Pro Online retailer of the year" specialist computer company, with a multi-million pound turnover.

### Bradford Grammar School

2012-2013 Prefect Supervising younger pupils and helping to organize and run events.  
2009-2013 Tech Crew Providing sound effects and lighting for school drama productions

## INTERESTS

Rowing, rock-climbing, travel, gaming, building and repairing IT hardware

## REFEREES

Academic: Dr Mike Hazas, School of Computing and Communications, InfoLab21, South Dr, Lancaster University, Lancaster LA1 4WA, m.hazas@lancaster.ac.uk, Tel: +44 (0)1524 510506  
Work: Sarah Wood, CCL Computers, Inmoor Rd, Cross Ln, Tong, Bradford BD11 2PS, sarahw@cclonline.com

## **Supporting Statement**

Throughout my school and university career I have enjoyed experimenting with electronics and computing hardware and using my programming skills to operate the hardware. Personal projects have included modifying games consoles, building personal computers, repairing friends' computers, a home security webcam using a raspberry pi, a home Network-Attached Storage (NAS) system, and I am currently working on an auto-piloted drone project with a friend.

For my dissertation I built a home security robot which integrated a raspberry pi, a webcam, a small four-wheel drive vehicle, a Wi-Fi adapter, and a motor control pcb; and I wrote a program and a mobile app (using python and java respectively) which enabled the robot to communicate with a mobile phone over a Wi-Fi or mobile network. This project built on my interests in programming and robotics/electronics and has inspired me to pursue these interests further.

I am looking for work that involves computing along with electronics/robotics, smart homes or home security - similar to areas covered in my dissertation. I would especially be interested in translating user requirements in this domain. My preferred programming languages are python and java as I have the most experience using these two. I would prefer a placement at the University or in Lancaster.

Maximilian Murach-Ward

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