

MEng Mechatronics and Robotics University of Leeds

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Full Driving Licence

Personal Profile

I am a focused Mechatronics student with a passion for Robotics. As seen below I have finished the first two years of my degree with a first class average. As a software intern at Lambert Engineering I was responsible for designing and implementing a software module library in the RSLogix 5000 software environment that gave me the practical experience which I feel I can utilise during my placement with your firm.

My future ambitions are to be involved in the robotics industry, this can be seen by my 3rd year project, which is programming a ABB industrial robotic arm to do a set of tasks.

Education

University of Leeds

2011-Ongoing

MEng Mechatronics and Robotics

Year 1 Modules	Results	Year 2 Modules	Results
Solid Mechanics	87%	Computers in Engineering Analysis	91%
Engineering Mathematics	81%	Mechatronics & Robotics System	78%
Digital Electronics and Microcontrollers	80%	Embedded Systems Project	77%
Circuit Analysis and Design	78%	Energy Systems and Control	75%
Design and Manufacture 1	71%	Vibration and Control	74%
Fundamentals of Electrical Engineering	63%	Design and Manufacture 2	74%

***** College, *****

2010-2011

A Levels

*****High School *****

2007-2010

GCSEs

Industrial Work Experience

Lambert Engineering, Software Intern

Summer of 2013

- Improved my commercial awareness of products used in the automation industry, like Staubli robotic arms, Cognex inspection cameras and Festo pneumatic cylinders, by using their control modules in the development of the software library.
- Developed work instructions for the software library, indicating its use for new employees, standards for organisation, such as new module introduction.
- Learned the basic use of RSLogix 5000 PLC software for automation machinery, by implementing the newly developed software control and equipment module standards for the PLC code as well as the HMI modules.
- Assisted and supported other engineers by helping with the development of ongoing projects by using my communication skills, e.g. prepared language files before sending them to be translated.

Achievements

- Highly Commended award for being Helpful and Supportive at University's "Spotlight Awards"
- Winning team of University of Leeds 2nd year Daring Dash Competition
- Winning team of University of Leeds 2nd year LabView coding challenge
- Best design award for 1st year Design and Build Challenge
- Two time Latvian Youth Champion in swimming
- National Pool Lifeguard Qualification

Technical Skills

ABB RobotStudio, Solidworks, Matlab, Eagle PCB, C programming, Arduino, Multisim, RSLogix 5000, LabView, MPLAB X

Key Employability skills

Time Management	A 3 year experience of combining university studies with a part time job.
Technical	Several year experience in fixing Windows and Symbian OS related devices for friends and relatives, by performing virus checks, installing specialist software.
Communication	Presenting personal university projects in the faculty "Open days" to visitors.
Language	English, Latvian & Russian - intermediate level
Problem Solving	Fixing water polo equipment one day prior to competition, by taking power cables and soldering he at the university's engineering faculty.
Commercial Awareness	Have an insight of the work and project planning of companies from the "Professional Studies" module, and Industrial experience.
Multidisciplinary	The nature of my degree allows me to appreciate a wide variety of engineering concepts and use them in practice.

Employment

The Edge – Sports Centre, Recreational Assistant **2012-Ongoing**

- Work in a small team of 5 people to coordinate and maintain the sports facility, by taking duty on poolside, helping and answering customer enquiries, and fulfilling essential cleaning tasks.
- Responsible for setting up IT equipment such as projectors, laptops, timing equipment at the sports centre, and ensuring that everything runs smoothly.
- Undertaking customer service training. Learned how to communicate effectively, body language, voice tone, listening skills, eg: Let the customer talk and after repeat it back to ensure I have understood it correctly.
- Using leadership skills while occasionally supervising 3 other members of staff while covering for an absent senior member.
- Use my specialist knowledge and creativity skills to fix and maintain facility equipment, such as water fountains and football goals.

Village Health and Fitness Club, Leisure Assistant **Jan – Sep 2012**

- Responsible for the cleanliness of the facility and the supervision of the swimming pool, similar responsibilities as at the Edge Sports Centre.

LLC Ekspresis 1818, Delivery Man **Summer of 2011 and 2012**

- Job of delivering office supplies to customers in Latvia during the summer.
- Ensuring all items are secure for transport and that all deliveries are signed for.
- Maintaining the company's vehicle. Responsibilities for ensuring goods meet the quality standards prior to dispatch.

Leisure Activities / Hobbies / Extra Curricular

A member of the IET. Active athlete and healthy lifestyle supporter, by developing my personal meal plans, and researching affordable nutrition on a student's budget.

References

Academic: Dr. Benjamin Chong, University of Leeds, Electrical Engineering, B.Chong@leeds.ac.uk
Professional: *****