

## Lyudmil Vladimirov

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### CAREER OBJECTIVE

A hard-working and self-committed graduate, aiming to pursue a career in the field of Computer Science. Particular strengths found in programming and problem solving, as well as in project management and group motivation during assigned tasks.

### EDUCATION

**2015-  
Present**

**University of Liverpool  
PhD Electrical Engineering and Electronics**

- Project Title:  
"Co-development of Mathematical Models and Monte-Carlo Algorithms for Improved Detection of Targets in the Commercial Maritime Domain"

**2011 –  
2015**

**University of Liverpool  
Meng (Hons) Computer Science and Electronic Engineering: Achieved 1st**

- Relevant Degree subjects studied include:  
Algorithmic Design, Knowledge Representation, Information Theory and Coding, Software Engineering, Project Management, Management of Design, Application Development with C++, Java Programming, Database Development, Multi-Agent Systems, Robotics and Autonomous Systems.
- Final year project (MEng): *An air/ground multi-robot team.*  
This is a group project, which investigates the principles of Multi-Agent Systems and how they can be applied to a team of cooperating air and ground robots, using the Robot Operating System (ROS). My task involves researching into the implementation of multi-agent mapping, image tracking and navigation algorithms within ROS.
- Third year project (BEng): *Measurement of Periodic photodiode breakdown.*  
This project involved the development and testing of an innovative type of quenching circuit, used in conjunction with a Single-Photon Avalanche Diode (SPAD), to achieve swift and effective single photon detection. The time dependent behaviour of the overall circuit has been examined and reported in the final Thesis.

### RELEVANT EMPLOYMENT

**Summers  
2014 & 15**

**University of Liverpool - Research Assistant**

- Awarded with an EPSRC Vacation Bursary Programme Scholarship, which provided funds for the completion of a 10 week research project.
- The aim was to develop and apply data mining algorithms on mainstream social media (e.g. as Facebook, Twitter and LinkedIn), with the optimal goal of looking into the different cohorts followed by recent graduates.
- Gained experience in working in a professional/academic environment, as well as an insight into the concepts of Algorithmic Design, Big Data and Data Analytics.

## TECHNICAL SKILLS

<i>Programming Languages</i>	<i>Where used</i>	<i>Level of competence</i>
C, C++, C#	University project and assignments	High
Java	Work experience and university assignments	High
Python	Work experience	High
SQL	University assignments	Medium
XML	University project and assignments	Medium
HTML	Personal motivation	Beginner

<i>Software/Frameworks</i>	<i>Where used</i>	<i>Level of competence</i>
Robot OS (ROS)	University project	High
Hadoop	Work experience	High
Visual Studio 2008-2012	University project and assignments	High
Eclipse IDE	Work experience and university assignments	High
MS Office	Constant use and relevant certification (ECDL)	High
LaTeX	Constant use for university reports/thesis	High

<i>Operating Systems</i>	<i>Where used</i>	<i>Level of competence</i>
Windows 8/7/XP	Personal experience/Academic use.	High
Linux	Personal experience/Academic use.	High
Mac OS	Personal interest.	Medium

## ACADEMIC ACHIEVEMENTS

- 2014**            **Engineering and Physical Sciences Research Council (EPSRC)**
- Awarded with the Summer Vacation Bursary Programme Scholarship.

- 2012**            **University of Liverpool**
- Awarded with the Sir Robin Saxby Prize for academic distinction.

## OTHER EXPERIENCE

- 2013 - Present**            **Peer Mentor – Department of Electrical Engineering and Electronics, University of Liverpool**
- Responsible for 5 first as well as second year international students.
  - Offering support and assisting students to find information on a wide range of matters, including academic or personal difficulties.
  - Developed interpersonal and transferable skills, such as communication and empathy

- 2011 - Present**            **Member of Staff Student Liaison Committee - Department of Electrical Engineering and Electronics, University of Liverpool**
- Meeting with academic staff twice a term.
  - Emailing students to find out about academic concerns.
  - Tact, diplomacy and negotiating skills used in resolving problems.

References available on request.