

Rhydian Jenkins

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Personal Profile

Committed and driven Computer Science PhD Student with an understanding of many programming and computing aspects; with experience working in a group and alone on multiple challenging tasks using a wide range of languages including the web stack (PHP7, HTML5, MySQL, JQuery), MVC Frameworks (Zend/Laminas), \LaTeX , and Java applications.

I am familiar with Windows and Linux environments, Virtual Machines, and text based shells.

Key Achievements

- Swarm Robotics PhD
- Solo webmaster at local sailing club

Skills

- Infrastructure and Workflow (Scrum, Docker, Git)
- Full LAMP Stack
- Zend/Laminas MVC
- Build tools (Composer, Docker-compose, Maven, Ant, Make)
- Public speaking while presenting work at various conferences

History

Aberystwyth University 2017–2021	PhD Topological Mapping Swarm Robotics Worked on novel solutions for the topological multi-agent SLAM problem, using a swarm of agents to try and map out an environment. Responsibilities: <ul style="list-style-type: none">• Developing a simulator for robotic operations• Innovating novel ideas to solve challenging problems• Communicating technical work for both short term and long term reports• Self managing time and effort
Lexis Nexis Risk Solutions 2016	PHP Software Engineer Operated with a team of developers/testers to implement industry quality software through a Zend Framework. Responsible for pushing code to a Jenkins CI server, and ensuring code quality through custom codesniffers and unit/integration tests. Responsibilities: <ul style="list-style-type: none">• Working in an Agile team delivering user stories through sprints• Peer reviewing code• Developing features involving both front-end and back-end aspects• Writing PHPUnit tests

**Aberystwyth
University**
2014–2016

BSc Computer Science (2:1)

I extremely enjoyed my degree, which semented my love of computer science. During my degree, I leanred a wide range of technologies which I still use today.

Modules:

- Web programming
- Java, C, and C++ programming paradigms
- Software development lifecycle
- Human computer interface and human computer interaction
- Agile methodologies
- Advanced computer graphics
- Ubiquitous computing
- Space robotics
- Professional issues in the computing industry

**NTPC
College**
2012–2014

A Levels

Studied Computing, Computer Graphics, and Electircal Engineering.

Personal Details

- Enjoys experimenting with emerging technologies
- Experience with using ROS to control robots for personal learning
- Full UK driving licence
- Interests include Rugby, Personal Fitness, Video Games
- Extrovert