

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.

Familiar with Windows and Linux environments, Virtual Machines, and text based shells.

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 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
Aberystwyth University 2017–2021	University Tutor Tutored Computer Science undergraduate students in a variety of different contexts. Responsibilities: <ul style="list-style-type: none">• Running workshops, lectures, and tuition groups with undergraduate students• Hosting advisory sessions to help students through a wide range of problems• One-to-one teaching• Grading and supplying feedback to assignments and coursework
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)

During the degree, a wide range of technologies were studied which are still utilised 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

**NPTC
College**
2012–2014

A Levels

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, and video games
- Friendly and approachable personality