

# 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),  $\text{\LaTeX}$ , 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

<b>Aberystwyth University</b> 2017–2021	<b>PhD Topological Mapping Swarm Robotics</b> Worked on novel solutions for the topological multi-agent SLAM problem, using a swarm of agents to map out an environment. <b>Responsibilities:</b> <ul style="list-style-type: none"><li>• Developing a simulator for robotic operations</li><li>• Innovating novel ideas to solve challenging problems</li><li>• Communicating technical work for both short term and long term reports</li><li>• Self managing time and effort</li></ul>
<b>Aberystwyth University</b> 2017–2021	<b>University Tutor</b> Tutored Computer Science undergraduate students in a variety of different contexts. <b>Responsibilities:</b> <ul style="list-style-type: none"><li>• Running workshops, lectures, and tuition groups with undergraduate students</li><li>• Hosting advisory sessions to help students through a wide range of problems</li><li>• One-to-one teaching</li><li>• Grading and supplying feedback to assignments and coursework</li></ul>
<b>Lexis Nexis Risk Solutions</b> 2016	<b>PHP Software Engineer</b> 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. <b>Responsibilities:</b> <ul style="list-style-type: none"><li>• Working in an Agile team delivering user stories through sprints</li><li>• Peer reviewing code</li><li>• Developing features involving both front-end and back-end aspects</li><li>• Writing PHPUnit tests</li></ul>

**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