Rhydian Jenkins

in LinkedIn
O   GitHub
📞 07384 629 336
✉   Rhydz@msn.com

Giants Grave Road
Briton Ferry
Neath
SA11 2LS

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 using a wide range of technologies including JS Frameworks (Primarily Vue and Svelte), MVC Frameworks (Symfony/Zend/Laminas), Docker, and Java applications.
Familiar working in Windows and Linux environments, Virtual Machines and shells. Strives for a principle first approach when learning, combined with a passion to engage in any challenge with a 'can-do' attitude.

Skills

- Infrastructure and DevOps (Docker, Kubernetes, Git, GCP)
- Full Web Stack
- Symfony/Zend/Laminas MVC
- Package managment and build tools (npm, Composer, Docker-compose, Maven, Ant, Pip, Make, ...)
- Public speaking while presenting work at various conferences

History

WCBS
Jan 2021–present

Full Stack Web Developer
Part of an agile team working remotely to develop a modern school Management Information System (MIS) solution, delivering frequent (2x weekly) releases on high standard product requirements.

Responsibilities:
- Develop a Vue.js app
- Develop a RESTful API in Symfony/Doctrine
- Ensuring code quality through Unit tests and code review
- CI/CD through GitHub and Jenkins
- DevOps through the GCP console
- Database and entity managment through Doctrine Query Language (DQL)

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:
- 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:** • 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 May - Dec 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:** • 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

- Hobbyist/tinkerer that enjoys experimenting with emerging technologies
- Experience with using ROS to control robots in simulation and real world application
- Interests include rugby, personal fitness, and video games
- Friendly and approachable personality, with confidence to ask questions and collaborate with others
- Full UK driving licence