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Harry Adams

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Student Software Engineer

Profile Finalist Computer Science undergraduate with a passion for programming and learning. Over six years of experience working solo and in a team. Eager to apply skills to practical situations working for Environmental Systems.

Education

2015 - Present, Aberystwyth University

BSc Computer Science
Graduation: July 2019 (Expected 2:1)
○ President of Gaming Society, raising over £7000 for charity and society nominated for Biggest Contribution, as well as personally nominated for Society Personality of the Year

2013 - 2015, East Norfolk Sixth Form College

A Level Psychology
AS Level Computing, Mathematics, Biology, Chemistry
BTEC Level 3 Games Development

2008 - 2013, Lynn Grove High School

Achieved 11 GCSE's at A*-B, including A in English, Maths, and three Sciences

Relevant Skills

Programming

Java (3 years)	C/C++ (1 year)	C#/.net (1 year)
Python (2 year)	Bash (1 years)	Arduino (3 months)

Technical Skills

Debugging	MySQL	Linux & CLI
Technical Reports	Documentation	Testing
Version Control	Agile (Scrum)	Bug Tracking
(Git, SVN & CVS)		

Personal Skills

- Able to work independently and in a team
- Problem solving & logical thinking
- High quality reporting and documentation
- Open-minded approach to all situations
- Passion for learning and personal development

Employment Experience

July 2017 - May 2018, *Student Software Engineer,* Bsquare

- Year-long industrial placement at a software development company
- Worked extensively on software development in C++ and C# as well as documentation practices - was commended for high quality report work
- Developed a positive understanding of software development practices including continuous integration, bug & issue tracking, development lifecycle, Scrum, and networking fundamentals
- Scheduled a Kiosk project including regular review, prioritisation of tasks, and worked from planning to implementation to testing over four months

Jan 2015 - May 2015, *IT Support Intern,* SeaJacks

Worked one day a week in the IT department in Seajacks during college, helping set up workstations, fix computer issues on board jack-up vessels, and assisting members of staff with their technical problems.

April 2015 - Sep 2015, *Arrears Support Advisor,* Essex & Suffolk Water

Phone support line working in late stage debt recovery for local water company. Required sensitivity in handling personal situations, strong numerical skills, and familiarity with laws & processes.

Jun 2013 - Jun 2017, *Crew Member & Crew Trainer,* McDonald's

Worked in a busy restaurant in both kitchen and front-of-house roles. Involved diligently following cleaning procedures and maintaining a high level of customer service. Progressed to Crew Trainer in June 2016, adding on training roles and management tasks, such as rotating staff around stations for breaks.

Projects

2019, *Mapping Quantum Computing Circuits Between Different Simulation Environments,* Aberystwyth University

Third year dissertation topic, primarily working to parse scripts for QuTiP and ProjectQ (simulation environments for quantum circuits) to convert between toolkits. Written in Python.

2017, *Buccaneer Group Project,* Aberystwyth University

Second year group project to develop the board game Buccaneer in Java. Main role was QA Manager, responsible for testing, bug tracking, and maintaining integrity of SVN repository.

2016, *Object Detection & Avoidance,* Aberystwyth University

Eight weeks working on the Idris Rover to develop techniques for detecting gaps in the environment, ascertaining their suitability and working on avoiding obstacles whilst navigating.

Interests

Professional

Testing, Programming, Quantum Computation, Artificial Intelligence, Robotics, UI Design

Personal

Driving, Gaming, Painting, Cooking, Tabletop Gaming, Cycling, Rugby