

# Allan Sham

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[LinkedIn](#)

[GitHub](#)

[Portfolio](#)

Front-end web developer with a passion to continuously learn.

## SKILLS

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HTML5, CSS3, JavaScript (ES6), PHP, Python, SQL, GitHub, Adobe Photoshop, MATLAB.

## PERSONAL PROGRAMMING PROJECTS

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### Marshall's Website [Link](#) [GitHub](#)

- Responsive website built with HTML, CSS, JavaScript, PHP, SQL and Adobe Photoshop.
- GSAP and ScrollMagic used for front-end animations.
- Implemented an interactive map with JavaScript Google maps API.
- PHP and SQL used for back-end database.

### ACCC Website [Link](#) [GitHub](#)

- Responsive website for a local church. HTML, CSS, JavaScript (ES6), PHP and Adobe Photoshop.
- PHP used on the back-end for swapping between English and Chinese.

### Lynel [GitHub](#)

- Space Invader type game with assets from The Legend of Zelda.
- Made on Python using the Pygame library.
- Extensive use of object-oriented programming.

## WORK EXPERIENCE

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### Gyrodata Incorporated - Survey Specialist

- Operating Gyrodata's specialised downhole gyro tool, equipment and software to analyse the direction of the well.
- Developed an Excel spreadsheet (and later a Python script) to automate a tedious task, speeding up and increasing accuracy. The spreadsheet was then submitted to management to be release company wide.
- Attention to detail was vital in all aspects of the job: checking equipment, inputting vital figures into software, analysing data collected, post job reports.
- Adaptability was vital as every oil rig is different with different rules, safety systems, layout, clients, language.
- Ability to cope with stress, time limits, work independently as well as in a team and for long hours.
- Communication with the client, other rig workers and Gyrodata management was imperative. Explaining complex concepts in an easy to understand way.

## EDUCATION

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### University of Glasgow - MSc Aerospace Engineering and Management

- Modules: Project management, managing creativity and innovation, managing change, marketing management, spacecraft systems, autonomous vehicle guidance system.

### University of Aberdeen - MEng Mechanical Engineering (Award: 1<sup>st</sup>)

- Modules: fluid dynamics, dynamics, engineering materials, thermodynamics, engineering management and various mathematical courses.
- MATLAB was taught and used throughout the degree.