

Allan Sham

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[LinkedIn](#)

[GitHub](#)

[Portfolio](#)

Front-end web developer with a drive to continuously learn and improve.

SKILLS

HTML5, CSS3, SCSS, JavaScript (ES6), React, React Native, PHP, Python, MySQL, Git, GitHub, Adobe Photoshop, Adobe Lightroom, MATLAB.

PERSONAL PROGRAMMING PROJECTS

Google Fonts Clone ([Link](#), [GitHub](#))

- Fully-responsive website built with React using Hooks (useState, useEffect, useReducer).
- Styled-Components for light / dark mode.

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.

WORK EXPERIENCE

Gyrodata Incorporated - Survey Specialist (Field Engineer)

Nov 2013 – Jan 2018

- Operating Gyrodata's specialised downhole gyro tool, equipment and software to analyse the direction of wells.
- Developed an Excel spreadsheet (and later a Python script) to automate a tedious task, speeding up and increasing accuracy. The spreadsheet was 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

University of Glasgow - MSc Aerospace Engineering and Management

Jan 2018 – Jan 2019

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

University of Aberdeen - MEng Mechanical Engineering (Award: 1st)

Sep 2008 – Jan 2013

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