Allan Sham

allansham@hotmail.com
LinkedIn
GitHub
Portfolio

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

SKILLS

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

PERSONAL PROGRAMMING PROJECTS

Marshall's Website (Link, GitHub)

- Responsive website built with HTML, CSS, JavaScript, PHP, SQL and Adobe Photoshop.
- GSAP and SrollMagic 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

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.