

MATTHEW HEYWOOD

Mechanical Engineering MEng Graduate looking to enter the world of web development.

PERSONALITY

- Independent, fast & efficient learner
- Creative problem solver
- Dedicated to achieve goals
- Amicable & friendly

SKILLS

- HTML5 & CSS3
- JavaScript
- LaTeX
- GIMP
- Python

HOBBIES & INTERESTS

- Acting (on stage & voice)
- Listening to & making music
- Video games
- Printmaking

CONTACT & FURTHER INFORMATION

- mheywood01@qub.ac.uk
- <https://mhey01.github.io/Portfolio>
- <https://codepen.io/mhey01>
- +44 7544424109
- Located in Belfast, UK

BASIC INFORMATION

I am currently teaching myself web development following the completion of my Master's degree in Mechanical Engineering with the aim to break into the industry as a front-end developer. I am fascinated by the complex things we can create using code, and I love to apply my knowledge to solve problems. I discovered my passion for programming early in my university career, choosing to specialise my Master's in Computational Engineering. I enjoy tying creativity together with logic to fix, solve and create work.

EDUCATION

Queen's University Belfast, 2014-2019

High 2:1 Honours MEng

Thesis on computational fluid dynamics of blood flow through stented artery with various stent designs.

Key modules:

- Computational Fluid Dynamics
- Finite Element Analysis
- Computer Aided Design
- Manufacturing, Automation & Simulation
- Professional Studies
- Master's Thesis

The Complete JavaScript Course, *Current*

Jonas Schmedtmann Udemy Course.

freeCodeCamp Course, *Current*

Completed Basic HTML5, Basic CSS3, Applied Visual Design & Applied Accessibility courses. In process of completing Responsive Web Design Projects.

Build Responsive Real World Websites with HTML5 & CSS3, 2018

Jonas Schmedtmann Udemy Course.

East Norfolk Sixth Form College, 2011-2014

A-Levels Maths A Physics B Biology C
AS-Level Further Maths B General Studies B

PROJECTS

- **Completing freeCodeCamp & J Schmedtmann Courses for JavaScript**
- **CSS Illustrations** - HTML (Pug), CSS (SCSS) - codepen
- **Rock, Paper, Scissors Game** - HTML, CSS, JavaScript - github
- **Dice Game** - HTML, CSS, JavaScript - github
- **Budget App** - HTML, CSS, JavaScript - work in progress
- **Image Comparison Tool** - Python - demo available on github portfolio
- **Comparison of Bioresorbable Polymeric Stent Designs Using Computational Fluid Dynamics** - Master's Thesis - to be submitted for scientific journal publication
- **Future learning** - AJAX, NPM, jQuery, Node.js
- **These projects and more can be found on my portfolio at <https://mhey01.github.io/Portfolio>**
- **This document was made using HTML5 & CSS3**