

Andrew Hulme

[About Me](#) | [Projects](#) | [Technical Skills](#) | [Soft Skills](#) | [Education](#) | [Experience](#) | [Interests](#)

About Me

A highly motivated software developer, recently trained at Makers Academy.

I graduated with a Master's in Mechanical Engineering from the University of Bristol where I was first introduced to the world of coding. After university I worked in the engineering sphere for several years, building on a number of competencies such as problem solving, communication, leadership and team working skills. I am now keen to apply this wealth of skills and experience to a new-found passion in software development.

Projects

Project (Repository)	Description	Links	Technologies
ThereAndBack	Single page web app with the main functionality of generating circular routes for a given distance and starting location. Group project of four members.	Deployed Presentation (4 minute mark)	React, Firebase, Cypress, Istanbul, Leaflet, Location IQ API, Open Route Service API, GraphHopper API, HTML, CSS
Acebook	Single page web app based on the social media site 'Facebook'. Group project of six team members.	Deployed	React, Ruby on Rails, Cypress, RSpec, Capybara, HTML, CSS
Makersbnb	Single page web app based on the online marketplace 'Airbnb'. Group project of four team members.	n/a	Ruby, Sinatra, RSpec, Capybara, HTML, CSS
Bowling Scorecard	A dynamic bowling scorecard based on the classic coding kata.	n/a	JavaScript, jQuery, Jasmine, HTML, CSS
Gilded Rose	Exercise on the classic Gilded Rose coding kata, showcasing testing and refactoring legacy code.	n/a	Ruby, RSpec

For more, please see my [GitHub repo list](#).

Technical Skills

Area	Skill
Languages	Ruby, JavaScript, SQL, Markdown, HTML, CSS
Technologies	React, Ruby on Rails, Sinatra, jQuery, Bootstrap, npm

Area	Skill
Testing Frameworks	RSpec, Jasmine, Capybara, Cypress, created own testing framework from scratch
Test Coverage	SimpleCov, Istanbul
Databases	PostgreSQL, Firebase
DevOps	Travis CI, Heroku, Surge, Trello
Git	Version control, Code review, Pull requests, Branching
Concepts	TDD, BDD, OOP, XP/Agile methodology, RGR test cycle, SOLID, DRY,DDD, MVC, RESTful APIs, Single page web apps, CRUD, Request/Response, Remote working, Pair programming, Stand-ups, Retros, Sprint planning

Soft Skills

Team Player

- Involved in team projects of varied sizes through my Mechanical Engineering degree, engineering consultancies, Makers Academy and university societies.
- Continuing Professional Development (CPD) Champion for Ramboll, and organised over 20 CPDs for external companies to provide talks to the firm. This gave value to the team by improving our engineering knowledge, awarding points towards chartership and providing free food! Furthermore I implemented a system for future champions to use when organising CPDs.
- Implemented a rotating leadership scheme and emotional check-ins in a Makers Academy group project when there was disparity between a few team members. As a result we worked more efficiently and together delivered a high quality project to the deadline.

Communication

- Presented the final project for Makers Academy, which can be seen here: [Presentation \(4 minute mark\)](#)
- As the University of Bristol Campus Consultant for Rolls Royce, Accenture and EDF Energy I promoted the companies through presenting in lecture theatres to 150 or more STEM students at once. This resulted in hundreds of students attending these events and workshops.
- At Ramboll I was singled out as one of the best speakers by directors for presenting our Graduate Engineering Challenge.

Leadership

- Interim lead mechanical engineer for a number of large-scale engineering projects at Ramboll. This involved attending design team meetings with the head engineers/architects and being the point of contact for any mechanical enquiries.
- Managed work outsourced to engineers in India for a large commercial office development at Ramboll.
- Mentor for a Makers student.
- Responsible for supporting an intern at Ramboll.

Education

Makers Academy (March to July 2020)

A full-time 16 week intensive software development bootcamp focusing on:

- Object-Oriented Programming, Test Driven Development, Model View Controller design patterns, SOLID principles.
- Agile principles, pair programming, stand-ups, retros, and sprint planning.
- Web frameworks, version control, and CI/CD to create full stack web apps.
- Remote working due to the COVID-19 lockdown.

Please see [Technical Skills](#) for more information.

University of Bristol (September 2012 to June 2016)

- Mechanical Engineering - Masters, MEng (Hons) - High 2:1
- Studied a variety of modules including several in coding language MATLAB
- Treasurer for the University of Bristol Engineering Society and member of Engineering Without Borders
- Member of University of Bristol Jazz Orchestra (BUJO) and Symphonia

The Latymer School (September 2005 to June 2012)

- A Levels: A*ABB - Mathematics, Further Mathematics, Physics, Music
- GCSEs: 4A*s 5As - including Mathematics, Sciences, English, French and Latin
- Co-founder of Engineering Society
- Lead trumpet in four orchestras

Experience

CBG (October to December 2019) *Design Engineer*

- Mechanical engineering input into several projects
- Experience working in a small tight-knit team

Ramboll (September 2017 to October 2019)

Design Engineer (promoted from Graduate Mechanical Engineer)

- Experience collaborating and communicating within multidisciplinary teams to deliver on projects
- Learnt an array of industry standard engineering programs including Autodesk Revit, AutoCAD and the Microsoft Office suite
- Continuing Professional Development (CPD) Champion
- Involved in the graduate recruitment process

Ramboll (July to August 2014, June to August 2015, June to December 2016) *Mechanical Intern (on three separate occasions)*

- Member of multidisciplinary engineering teams
- Built relationships, presenting findings and collaborating in order to reach project goals
- Performed technical presentations to colleagues and clients

Rolls-Royce, Accenture, and EDF Energy (February 2013 to July 2014) *University of Bristol Campus*
Consultant

- Promoted the companies through presenting in lecture theatres to 150 or more STEM students at once
- Student liaison contact

Interests

- Music: Grade 8 trumpeter, grade 5 pianist and self-taught bass guitarist. Have performed trumpet internationally.
- Travelling: Independently backpacked around Southeast Asia from March to July 2017.
- Sport: Keen tennis player and cyclist, and have worked for the bicycle repair service 'Bikes R Us'.
- Volunteering: Received the YAVE (Youth Action Volunteering Enfield) award for leading children's groups in the local church.