

# Leon Hassan

Computer Science Undergraduate

## Contact

leonhassan  
@hotmail.com  
leh28@aber.ac.uk

Personal Website -  
Portfolio & blog  
github://Leooooob  
fb://leon.hassan.507  
linkedin://leonhassan

## Programming

Ruby, Java, C, C#,  
C++, Python, HTML,  
PHP, JavaScript,  
Node-RED,  
CSS/Sass/less, Perl,  
Node.js & LaTeX.

## Tools and Infrastructure

Travis, Jenkins, Git,  
GitHub, Jira, Grunt,  
Gulp, Docker, Heroku,  
Google Cloud,  
Photoshop &  
Illustrator.

## Profile

I'm a final-year student at Aberystwyth University, studying Computer Science with Year in Industry. I have a working knowledge of various programming languages and I am fluent in the use of a wide range of tools and platforms, such as Heroku, AWS and Docker. I am an aspiring web developer looking to develop my full stack skills and gain a practical knowledge of software development life cycles.

## Education

2013–2017

### BSc Degree

Aberystwyth University, Ceredigion

I am currently averaging a high 2:1 degree class, with aims of getting a first. In my final year I have achieved scores of 70% and above in modules such as Machine Learning, Computer Vision and Agile Methodologies. I also have scored notably high in various programming and web-based modules, including my 2nd year group project.

My dissertation project is a full-stack JavaScript procedural itinerary generator. Given a location the application will pull a variety of different activities, including landmarks and places to eat. Once the user has customised the itinerary with options that they want, applying filters for certain kinds of food etc. A logical route will then be generated between all of the chosen activities, including travel information between each destination.

2010–2013

### Pre University Education

Denefield Sixthform, Reading

#### A levels:

- A\*A\* - Information Technology
- C - Physics & Business Studies
- E - Mathematics (Mechanics) & Music Technology

Physics and Mathematics are full A-levels, Business Studies and Music Technology are AS-levels.

**GCSEs:** 10 GCSEs at grade A\*-C including Maths and English

## Experience

06/16–04/16

### Atebol Interactive

Fagwyr Farm, Aberystwyth

#### *Web Designer and Front-End Developer*

Atebol was previously just a bilingual book publisher and when the company began designing websites this was kept in mind. At Atebol we use an in-house framework in Angular.js that builds the website from XML using component-building functions that we create. This is invaluable to many websites that are bilingual or just want to be properly localised. I have created various plugins in Javascript and jQuery and developed in a variety of new frameworks while at Atebol. For websites I have created at Atebol, please see my website.

06/15-16	<b>IBM UK</b> <i>DEFRA accounts</i> At IBM I worked on DEFRA as a risk and issue coordinator, I created issue trackers that made sure DEFRA servers were fully patched and operational along with other reporting tasks. During this time I managed to automate a lot of the trackers and reporting. At IBM I attended and won three hackathons, with each of the projects being taken forward in some capacity (please see blog for details, tag: IBM). I also worked on Client Compliance (CWP) for 9 months, in this time I improved processes and trained off-shore employees.	Portsmouth, Hampshire
08/14	<b>Denefield School</b> <i>Programming workshop</i> I ran a workshop for two days where I taught years 8-10 how to program in Python. I also brought a Raspberry Pi and showed the students how easy it was to manipulate an Raspberry Pi using what they had learned that day and the many applications of Raspberry Pi.	Reading, Berkshire
2014–3 months	<b>Bottomline Technology</b> <i>Quality Assurance Engineer</i> I worked at Bottomline for a summer as a QA Engineer. In this time I introduced an automated testing framework called Robot Framework, it uses the Selenium webdriver to drive web-app testing. I wrote guides on how to set up the framework on both computers and servers and also on how to write tests. I then wrote separate guides for the specific project I worked on. I presented this to product managers in both the UK and US.	Reading, Berkshire
2013–2015	<b>Nag's Head Pub</b> <i>Bar staff</i> I worked at the Nag's Head while in Sixthform and when home from university, the pub has won numerous CAMRA awards.	Reading, Berkshire
2010–2013	<b>Next plc</b> <i>Team Coach and Home Consultant</i>	Reading, Berkshire
2005–2013	<b>Independent Game Developer</b> <i>Online game development</i> I created and ran my own series of games, some of these are still active and have a collective fanbase of roughly 3,500.	Reading, Berkshire

## Interests

**Professional:** Computing and computer science curriculum in schools, web applications, mobile applications, web design, video game design, & Internet of Things.

**Personal:** Guitar, chess, badminton, video gaming & comics.

## References

Referee #1	<b>Anna Withrington</b> <i>Email: annaw@uk.ibm.com</i> <i>Phone: +44 7703 195531</i>	Early Professionals Manager @ IBM
Referee #2	<b>Byron Morley</b> <i>Email: byron@atebol.com</i> <i>Phone: 01970 832 172</i>	Senior Developer @ Atebol Interactive
Referee #3	<b>Prof. Reyer Zwiggelaar</b> <i>Email: rrz@aber.ac.uk</i> <i>Phone: +44 (0)1970 628691</i>	Director of Research (IMPACS) @ Aberystwyth University