

Andrew Smith

55/2 Spottiswoode Road
Edinburgh
EH9 1DA
☎ (+44)7456626953
✉ aws2411@gmail.com
🌐 a-smith.uk

Education

- 2013 - 2017 **BSc (Hons) Artificial Intelligence & Computer Science**,
The University of Edinburgh, Expected 2:1.
Areas of particular interest that I have studied include:
- Language Processing
 - Compilers
 - Vision Systems and Robotics
 - Understanding and learning new programming Languages
- 2011 - 2013 **Scottish Advanced Highers & Highers**, *Madras College*, St. Andrews.
- Advanced Higher Results – A,B, Higher Results – Five As and a B

Experience

- October - December 2016 **Software Engineering Lab Demonstrator**, *University of Edinburgh*.
- Helping to improve students' coursework designs and implementations and answer their questions
- June - September 2016 **Intern Developer**, *The ID Co. (Formerly known as MiiCard)*, Edinburgh.
- Financial statements graph analysis project, to be integrated into their system
 - Worked in Scala on a Spark cluster for the graph analysis
 - Designed the graph analysis system architecture
 - Configured the cluster and managed access to it
 - Created a graph visualisation using the D3 library for Javascript
- Other Work Experience**, Dundee.
- 2014 ○ INPS (One week), assisted in bug fixing on their web product
- 2013 ○ Waracle Ltd (One week), software testing on their next release

Technical Skills

- Python**
- Honours project, extracting life patterns from Twitter profiles
 - Autonomous robot football tournament with vision system
 - Group event playlist generation app for people nearby - won a prize at Wearhacks Paris
 - Start-up name generating Twitter bot - won a prize at St Andrews Computing Society hackathon
 - Legal argument parsing system - parsed and then evaluated arguments
- Scala**
- Whilst at the ID Co, used the Spark framework for a graph analysis and visualisation project that is to be integrated into their system
 - Programming language parser
 - Markdown, latex and html parser
- Java**
- C subset compiler - handle any types of input, compile into byte code and execute this code
 - Theoretical cruise control system
- Other**
- JavaScript - Financial statements graph visualisations at the ID Co.
 - SQL - Managing the ID Co. database
 - Prolog - Theoretical house cleaning robot
 - Haskell - Implemented AI search algorithms

Other Experience

- Currently, I am Informatics School Vice Convener
- I have attended two hackathons and have won prizes at both. I enjoy the challenge of creating a project in a short space of time and I learn a lot from them.
- In Madras College, I was a peer tutor for a second year computing class and for a digital media student with learning difficulties.
- I set up and ran a Standard Grade Computing after-school revision help group.
- In my fifth year of secondary school I built a review website for the Dundee University English Literature department.

References can be provided upon request.