

# Andrew Smith

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## Education

- 2013 - 2017 **BSc(Hons) Artificial Intelligence & Computer Science**, *Expected 2:1*.  
The University of Edinburgh, Edinburgh
- 2011 - 2013 **Scottish Advanced Highers & Highers**, *Madras College*, St. Andrews.
- Advanced Higher Computing – A
  - Advanced Higher Mathematics – B
  - Physics – A
  - Modern Studies - A
  - English – A
  - Chemistry - B

## Experience

- June-September 2016 **Intern Developer**, *The ID Co. (Formerly known as MiiCard)*, Edinburgh.  
Job Duties:
- Developing a graph analysis project to be used in the system
  - Working in Scala on a Spark cluster for the analysis
  - Designing the system architecture
  - Managing access and configuring the cluster
  - Creating a data visualisation using the D3 library for Javascript
- 2015 - 2016 **Team Leader**, *EUSA*, Edinburgh.  
Job Duties:
- Cash handling
  - Managing a team
  - Rotating and managing stock
- August 2014 **Work Experience**, *INPS*, Dundee.  
Job Duties:
- Learn basic web development
  - Assist in bug fixing
- August 2013 **Work Experience**, *Waracle Ltd.*, Dundee.  
Experience:
- Software Testing
  - Learning about the software development process

## Technical Skills

- Python** I am most comfortable using Python. My largest projects have been done in Python. These large projects include a robot football tournament, a twitter bot, a group playlist generating app and a legal argument parsing system.

- Java** My secondary language is Java. I have built a compiler for a subset of C as well as several smaller projects such as a cruise control system.
- Scala** During my time at the ID Co, I used Spark in Scala for big data analysis. I also used this in two courseworks in university.
- Other** I have also worked on projects using C, Prolog and Haskell. I have a working knowledge of these languages as well as SQL and would like to improve my skills further for these .

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## Other Achievements

- In my third year of university I was class representative for the Introduction to Vision and Robotics course.
- For my final year at university, I am Informatics School Vice Convener. I want to represent my peers and improve their time at university.
- During my time at Madras College, I was a peer tutor for a second year computing class and for a student with learning difficulties who was needing help with their Digital Media class.
- I set up and ran a Standard Grade Computing after-school revision help group. Those were very rewarding experiences and I also learned more about computer science.
- In my fifth year of secondary school I built a review website for the Dundee University English Literature department.

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## Interests

- Film** I have always had a love of film, watching from a very young age. In my second year, I was the treasurer of Edinburgh University Film Society. In third year, I was in charge of the quizzes and help set up and project at events. Throughout my time at the society I also maintained the website.
- Hackathons** So far I have made it out to two hackathons and have won prizes at both. I enjoy the challenge of creating a project with a small group of people in a short space of time and I learn a lot from them. The code for my hackathon projects can be found on my Devpost profile referenced at the top of page one.
- Music** I have played guitar for a long period of my life and piano to a lesser extent. I've played in several school talent shows and I have completed a Scottish Higher level performance module.

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## References

James Varga, CEO, The ID Co.

- [james.varga@theidco.com](mailto:james.varga@theidco.com)

Prof. Jane Hillston, Personal Tutor, University of Edinburgh

- [jane.hillston@ed.ac.uk](mailto:jane.hillston@ed.ac.uk)