Andrei-Marius **Longhin**

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First Year Computer Science student. Enthusiastic about programming, technology and everything computational.

Skills

Programming	JAVA*, Python*, OCaml, C++, Bash Scripting
Web	Python WebApps*, SQL(MySQL, SQLite, PostgreSQL)*, HTML5*, CSS*, PHP, JavaScript
Frameworks/Libraries	Python: Flask*, sqlalchemy*, BaseHTTPServer*; JAVA: JavaFX*, Android SDK*, leJOS
Tools	Unix Shell*, Eclipse IDE*, Codeblocks, Git*, Android Studio, LaTeX, Office Suite*
Languages	Romanian*, English*, French
*****	Denotes working knowledge (skills without * fall into Basic Knowledge category)

Project Experience

Robot Warehouse - GitHub Repository
Birmingham, United Kingdom

SOFTWARE DEVELOPER (TEAM MEMBER) — *Feb. 2016 - Apr. 2016*

- Worked as part of a team to produce code that can be run on NXT Robots
- Designed and developed a Management GUI so that users can easily control robots from a computer
- Implemented a real-time updating simulation of robots' movement to help users better visualise robot behaviour at any moment
- Technologies used: JavaFX, leJOS

Hangman GUI - GitHub Repository
Birmingham, United Kingdom

SOFTWARE DEVELOPER — *Apr. 2016*

- Made a Hangman game engine and GUI as part of the process of teaching myself Python
- Technologies used: Tkinter

Domineering Game Player - GitHub Repository
Birmingham, United Kingdom

SOFTWARE DEVELOPER — *Mar. 2016*

- Used General Game Player interfaces in order to produce a player specialised in Domineering
- Made a Black Box so that it can be tested automatically
- Techniques used: lazy evaluation, alpha-beta pruning, heuristic pruning

Autolec - GitHub Repository
Warwick, United Kingdom

SOFTWARE DEVELOPER (TEAM MEMBER) — *Feb. 2016*

- Proposed the idea of an app that automates tasks before lectures
- Worked alongside Project ATAA members to put the idea into practice, thus bringing Project ATAA 2 prizes at WarwickHACK
- Provided automation for the following tasks: turning wi-fi and sound on/off, adjusting screen brightness, in order to make students' life easier
- Worked at the JAVA Class that was used for communication with the database
- Held the demo presentation
- Technologies used: MySQL, Android SDK

Safe Escort Website - Link to website
Bucharest, Romania

WEB DEVELOPER — *Mar. 2012*

- Designed and developed the website
- Created logos and other graphic elements
- Technologies used: HTML, CSS, Adobe Photoshop

Education

University of Birmingham
Birmingham, United Kingdom

MSc IN COMPUTER SCIENCE - FIRST YEAR RELEVANT SUBJECT GRADES: — *Oct. 2015 - PRESENT*

- Elements of Functional Computing (OCaml): 100%
- Software Workshop (JAVA): 94.82%
- Robot Programming: 96.69%

Udacity   *Birmingham, United Kingdom*

Full-Stack Web Developer Nanodegree   *Mar. 2016 - PRESENT*

- Currently working on Nanodegree
- Learning how to build web-apps using Python(also some Frameworks e.g. Flask) and SQL

"Alexandru-Ioan Cuza" Theoretical Highschool   *Bucharest, Romania*

Romanian Baccalaureate Certificate   *Jul. 2015*

Cambridge English Language Assessment   *Bucharest, Romania*

Certificate of Proficiency in English GRADE A   *Nov. 2014*

ECDL Romania   *Bucharest, Romania*

ECDL (European Computer Driving License)   *Mar. 2014*

Work Experience

SC Safe Escort SRL   *Bucharest, Romania*

Web Developer   *Mar. 2012*

- Developed company's static(presentation) website and thus made the company's interactions with clients more straightforward and efficient
- Provided occasional tech support and maintenance checks in order to give clients a strong sense of security in regards to the web-page

British Council, Romania   *Bucharest, Romania*

Marketing Assistant   *Jan. 2012*

- Provided tech support for Teesside University officials, making registration quicker and more efficient
- Interacted with future students and increased the University's popularity among them in a significant way
- Translated and interpreted from Romanian to English and vice-versa to ensure that the interaction between potential students and staff was running smoothly

Honors & Awards

| 2016 | **1st Place**, WarwickHACK "Build a hack that uses NFC and makes students' life easier" Challenge by Black Pepper Softwares | *Warwick, United Kingdom* |
| 2016 | **3rd Place**, WarwickHACK Best Hacks | *Warwick, United Kingdom* |

Other Interests

CSS (Computer Science Society)   *Birmingham, United Kingdom*

Member   *Mar. 2016 - PRESENT*

- Participated in most of the activities organised by the society (e.g. Hackathons, Workshops, Social Gatherings etc.)

Project ATAA   *Birmingham, United Kingdom*

Founding Member   *Nov. 2015 - PRESENT*

- Participated in hacking competitions: BrumHack, BAE Capture the Flag, Great Uni Hack etc.
- Developed Android Apps such as Autolec or EyeC