Andrei-Marius **Longhin**

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Second Year Computer Science student. Currently working for Click Travel as a Software Engineer Intern. Enthusiastic about programming, technology and everything computational.

Skills

Programming	JAVA*, Javascript*, Python*, Haskell*, OCaml
Web	Python WebApps*, Relational (MySQL, SQLite, PostgreSQL) and Non-relational (DynamoDB) databases*, HTML5*, Bootstrap*, CSS3*, JavaScript (both client and server side)*
Frameworks/Libraries	Python: Flask*; JAVA: JavaFX, Android SDK*, leJOS, Spring*, Mockito*; Javascript: Node.js*, AngularJS*
Tools	Unix Shell*, Eclipse IDE*, Git*, Amazon Web Services (SNS, SQS, EC2, DynamoDB, S3)*, npm*, Android Studio
Languages	Romanian*, English*, French
*	Denotes working knowledge (skills without * fall into Basic Knowledge category)

Project Experience

Click Platform   *Birmingham, United Kingdom*
SOFTWARE ENGINEER   *Aug. 2016 - PRESENT*

- Rest API developed using micro-service architecture and domain-driven design
- Working on several parts of the platform including but not limited to Click's properties database or the Supplier Federation System (service that talks to external providers)
- Typical work-flow: confirm requirements with Product Owner, iteratively implement requirements, perform unit and service testing, record demo for important functionality
- Technologies used: JAVA, Spring, Mockito, JBehave, Node.js etc.

travel.cloud - **Link to website**   *Birmingham, United Kingdom*
SOFTWARE ENGINEER   *Aug. 2016 - PRESENT*

- Web client mainly developed using AngularJS
- Client sends requests to our platform and displays the results in an user-friendly fashion
- Updating existing functionality/Implementing new functionality (such as metrics for property views) and adjusting design to work with it
- Technologies used: Bootstrap, CSS, AngularJS

Personal website - **Link to website**   *Birmingham, United Kingdom*
WEB DEVELOPER & DESIGNER   *Apr. 2016 - PRESENT*

- Developed and developed website in my free time
- Maintaining website and making regular updates
- Technologies used: Bootstrap, CSS (client-side), Node.js (server-side)

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

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

Education

University of Birmingham   *Birmingham, United Kingdom*

MSc in Computer Science - FIRST YEAR RELEVANT SUBJECT GRADES: *Oct. 2015 - PRESENT*

- Elements of Functional Computing (OCaml): 98%
- Software Workshop (JAVA): 96%
- Software Engineering: 89%

Udacity   *Birmingham, United Kingdom*

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

- Finished Nanodegree in 30 days
- Learnt 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

Click Travel   *Birmingham, United Kingdom*

Software Engineer Intern   *Aug. 2016 - PRESENT*

- Being part of an agile Software Engineering Team, working part-time during term time and full-time on holidays
- Duties include working on Click Platform and travel.cloud web client as described in Projects section, participating in daily stand-up meetings and performing code reviews via Github Pull Requests
- Contributing to company's annual growth of £40 mil. in revenue and providing valuable additions to each product

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

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*

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