

# 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

<b>Programming</b>	JAVA*, Javascript*, Python*, Haskell*, OCaml
<b>Web</b>	Python WebApps*, Relational (MySQL, SQLite, PostgreSQL) and Non-relational (DynamoDB) databases*, HTML5*, Bootstrap*, CSS3*, JavaScript (both client and server side)*
<b>Frameworks/Libraries</b>	Python: Flask*; JAVA: JavaFX*, Android SDK*, leJOS, Spring*, Mockito*; Javascript: Node.js*, AngularJS*
<b>Tools</b>	Unix Shell*, Eclipse IDE*, Git*, Amazon Web Services (SNS, SQS, EC2, DynamoDB, S3)*, npm*, Android Studio
<b>Languages</b>	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

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### 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

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### 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

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

## Other Interests

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### 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

FOUNDING MEMBER

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

*Birmingham, United Kingdom*

*Nov. 2015 - PRESENT*