Teodora Sandu

Address: Birmingham, UK — **Phone no.:** +44 7821 405578 — **Email:** sanduteo95@gmail.com — **LinkedIn**

Summary

An ambitious third year student, proficient in both Java and C++ programming, as well as experienced in web development and relational databases, I am seeking a new challenge and opportunity to expand my knowledge and gain new skills. Equipped with strong problem solving skills and having had experience working in a variety of teams of different backgrounds, I have proven myself able to work under pressure and to follow a strict deadline. With an academic background focused around not only object-oriented programming, but also functional programming, I have also developed an interest and passion for web development, which I hope to pursue in my career.

Education

University of Birmingham
MSci Computer Science   2014 - 2018

1st **Year:** 91% average (**Best first year student in Computer Science**)
2nd **Year:** 82% average
3rd **Year:**

Databases	Computer-Aided Verification	Compiler Construction
Machine Learning	Advanced Functional Programming	Nature-Inspired Search
Software Design Study	Principles of Programming Languages	

National College Zinca Golescu, Romania
Mathematics and Computer Science   2010 - 2014

Received the **Diploma of Baccalaureate** with the following grades:
Mathematics(9.90/10)
C++(10/10)
Romanian(9.70/10)

Work Experience

University of Birmingham
Haskell Demonstrator   September 2016 - Present

My role is to run weekly two-hour lab sessions, during which I aid second year students in their Haskell assignments. I am responsible for explaining a variety of functional programming paradigms, as well as for helping them debug their programs. In addition, I need to be able to adapt my communication skills to a variety of students.

American Express
First Foundry Analyst   June - August 2016

Working in an agile environment, consisting of both UX designers and software developers, I learned how to practise efficient team work and communication. The internship allowed me to learn a variety of new frameworks, how to manage project dependencies through Maven, and program using application servers such as JBOSS.

My contributions came in the form of:
- Using HTML, CSS, LESS and frameworks such as Bootstrap to improve the website's user interface.
- Developing the RESTful web services, with the help of the Spring Framework.
- Using AgularJS to send requests to the API and, as a result, consume the responses and display them appropriately on the website.
- Implementing automated tests written in a behaviour-driven development style, using Cucumber and Selenium.

Skills

Programming

Java	C	C++	Haskell	OCaml	AngularJS	XML	JavaScript
jQuery	JSON	LaTeX	PostgreSQL	LESS	Assembly	HTML	CSS

Tools & APIs

Spring	Hibernate	Maven	IDA	Selenium	Cucumber	jUnit	BDD
TestNG	Git	SVN	SMTP	Java Mail	Java SWT	Java Swing	Google Maps

Environments

Windows	Linux	IntelliJ	Eclipse	CodeLite	MINGW	Code::Blocks	Atom
Android Studio	Sublime Text	Gedit	Notepad++	CLion			

Volunteering

Code Club, UK
October - Present

Volunteer at St Mary's Catholic Primary School

- Organise weekly coding tutorials for primary school children.
- Hold one-hour long sessions, guiding the children through the projects on Code Club.
- Adapt communication skills to an accurate level of difficulty for the children to understand.

Save the Children, Romania
2011 - 2014

Volunteer

- Offered support and mentored children at the local centre on a weekly basis.
- Led a team to raise money for the hospital's maternity section.
- Became aware of the importance of being reliable and dedicated to a cause.

Other Experience

Team Project
January - March 2016

University of Birmingham

- Implemented a learning tool based around the visualisation of binary search tree algorithms.
- Designed and developed a GUI using Java SWT.
- Implemented synchronised visualisations that ran smoothly while still keeping the interface responsive.

The Birmingham Project
June 2015

Birmingham, UK

- Consolidated team building and communication skills.
- Created a presentation using Prezi and presented it in front of a large audience.
- Contributed technically by developing an app in Android Studio, built on top of the Google Maps API.

GROW
Summer of 2012

Pitesti, Romania

- Took lessons in entrepreneurship, team work and communication skills.
- Met people from a variety of countries and, as a consequence, learnt how to be adaptable and empathetic.
- Discovered the importance of analysing issues from different perspectives, in order to find quick solutions.