SEBASTIAN STANICI

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EDUCATION

University of Birmingham, United Kingdom   *September 2017 - Present*
BSc Computer Science - Final year - Expected 1st class degree   Current average: 80%

Relevant modules:		
Computer security	Network security	C/C++
Systems architecture	Software Engineering	Java Workshop
Professional computing	Data structures and algorithms	

"Grigore Moisil" High School Timisoara, Romania   *September 2013 - June 2017*
Diploma of Baccalaureate - 10/10 in Mathematics and 10/10 in Informatics

SKILLS

Software development methodologies	Agile, SCRUM, Waterfall, DevOps, Microservices
Programming languages	Java, C/C++, Python, Bash, x86/MIPS assembly
Web development	JavaScript, Angular, React, TypeScript, Go, PHP, CSS
Databases	SQL (MySQL, MariaDB, PostgreSQL), NoSQL (RavenDB)
Tools	Unix shell, vim, Burp, Wireshark, IDA, Ghidra, Metasploit, git
Suites	JetBrains tools, Eclipse IDE, Microsoft Office suite

WORK EXPERIENCE

JPMorgan Chase   June - August 2019
Software Engineering Intern   *Bournemouth, United Kingdom*

· The role involved developing features for a globally trending product ensuring the secure design of software projects with technologies such as Java, Angular and TypeScript.
· My involvement in the Cyber and Technology Controls department also represented taking part in global hackathon projects by using Golang, Python, JavaScript; resulting in a honourable mention.

School of Computer Science, University of Birmingham   October 2018 - April 2019
Java Teaching Associate   *Birmingham, United Kingdom*

· Aided the MSc Java Software Workshop professor by holding tutorials, shared lectures and laboratory sessions for Masters students to build up their Java, networking and software engineering skills.

IT Services, University of Birmingham   July - August 2018
Research Sysadmin Assistant   *Birmingham, United Kingdom*

· Responsible with setting up Jupyter Hub through Docker by having made available different kernels such as Python, R, TensorFlow and the distributed computing environment.
· Gained knowledge of using the Unix shell in a high performance computing environment, Docker images, networking and security regarding ports, protocols, certificates, encryption and encoding.

GENEO   January - July 2018
Software Developer Intern   *Royal Leamington Spa, United Kingdom*

· Developed and maintained the companys main software product in a fast-paced environment by writing code in the CakePHP web framework using the MVC pattern, while practicing Agile.

PROJECTS AND COMPETITIONS

Capgemini Community Challenge   June 2018

Carried out a solutions-based consultancy project for a local charity Transition Town Telford by taking
the initiative to lead the technology solution substream of the project.
Runner-up team of the Challenge as the solutions proved to be beneficient and represented a big turn
in their identity, as well as how people were able to engage in the charity's activities.

University of Cambridge national cyber-security contest Inter-ACE   March 2018

Participated together with the hacking society from our University, AFNOM and was involved with
the Reverse Engineering, Cryptography, Web, Protocol attacks and Networking challenges created by
GCHQ, Palo Alto Networks or other such organisations.

Personal server and website   January 2017 - Present

Created a website and a live Text-to-Speech and Speech-to-Text chatbot using the IBM Watson service
on my personal Raspberry Pi server while working on other small projects.

Project "myHaum"   January - August 2017

Started an Internet of Things project concerning home security using C for the Arduino micro-controller,
the TCP/IP protocol, hardware modules having used the Hayes command set and various embedded
systems which were transmiting the encyrpted data.

ACHIEVEMENTS

Won the 2019 Global JPMorgan CyberRange CTF acknowledged by the CISO of JPMorgan

Top 400 team at Google Hash Code 2019

2nd place in University of Birmingham CTF 2019

First 25% of University of Cambridge CTF "Inter-ACE" 2018

Computer Science Excellence Scholarship, University of Birmingham 2017

6th place in the national contest InfoEducatie 2017 awarded by the Romanian Ministry of Education

Excellence Diploma awarded by the county's Council and "Grigore Moisil" High School Timisoara

EXTRA-CIRRUCULAR

Actively taking part in hackathons and capture the flag contests.
Volunteered on JPMorgan's Corporate Responsability Day to preserve the nature around Dorset.
Managed the University's Computer Science Society as the Vice-president.
Volunteered at QCon London.
Mentored children in informatics at CoderDojo.

PERSONAL HOBBIES

Mentoring, marathon running, yoga, reading, volleyball, skiing, hiking, helping others

REFERENCES

Tom Chothia, Reader at University of Birmingham, email: t.p.chothia@cs.bham.ac.uk