**Sebastian Stanici**

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**EDUCATION**

**BSc Computer Science** | **University of Birmingham**, United Kingdom Sep 2017 – Jun 2020

Final year, expected 1st class degree (**average of 80%** in 1st and 2nd Year)

Relevant modules:

|  |  |
| --- | --- |
| Computer and Network Security | C/C++ |
| Software Engineering | Java Software Workshop |
| Data Structures and Algorithms | Computer Systems and Architecture |
| Professional Computing | Economics and the Real World |

**“Grigore Moisil” High School Timisoara**, Romania Sep 2013 – May 2017

Diploma of Baccalaureate, overall 9.65/10 with 10/10 in Mathematics and 10/10 in Computer Science

**SKILLS**

Programming languages: Java, C/C++, Python, Bash (working knowledge), x86/MIPS assembly

Web development: HTML, CSS, JavaScript, React, Angular, TypeScript, Go, PHP (working knowledge) , C#, ASP.NET

Databases: SQL (MySQL, PostgreSQL, MariaDB), noSQL (RavenDB)

Operating Systems: UNIX, Linux, macOS, Windows

Tools: UNIX shell, Vim, Burp suite, Wireshark, IDA, Ghidra, Metasploit, Git, JetBrains suite, Eclipse IDE, Sublime, Microsoft Office suite

**WORK EXPERIENCE**

**Software Engineering Intern – JPMorgan Chase & Co.**  Jun - Aug 2019

Bournemouth, United Kingdom

* The role involved developing features for a globally trending product ensuring the secure design of software before the elaboration part of any project 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

**Java Teaching Associate – School of Computer Science, University of Birmingham** Oct 2018 - Mar 2019

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 knowledge

**Research Sysadmin Assistant – University of Birmingham** Jul - Aug 2018

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 working using the Unix shell in a high performance computing environment, Docker images, networking and security regarding ports, protocols, certificates, encryption and encoding

**Software Developer Intern – GENEO** Jan – Jul 2018

Leamington Spa, United Kingdom

* Developed and maintained the company’s main software product in a fast-paced environment by writing code in the CakePHP web framework that uses the MVC pattern and by using the Agile methodology as the software engineering process

**EXTRACURRICULAR ACTIVITIES**

**Vice-president** **–** **Computer Science Society** Nov 2017 – Nov 2018

* Managed the [society](http://cssbham.com/)’s decisions and committee involvement alongside the President by organising career talk sessions, workshops, sponsorships and other computer science related events

**Team member – Capgemini Community Challenge** Jun 2018

* Carried out a solutions-based consultancy project for a local charity [Transition Town Telford](https://transitionnetwork.org/transition-near-me/initiatives/transition-town-telford/) by taking initiative to lead the technology solution substream of the project
* Runner-up team of the [Challenge](https://www.birmingham.ac.uk/schools/business/corporate/capgemini-challenge.aspx) as the solutions proved to be beneficient and represented a big turn in their identity, also how people were able to engage in the charity’s activities

**Team member – University of Cambridge’s national cyber-security contest** [**Inter-ACE**](https://inter-ace.org/)Mar 2018

* Participated together with the hacking society from our University, [AFNOM](http://afnom.net/) and was involved with the Reverse Engineering, Cryptography, Web, Protocol attacks and Networking challenges

**Team manager** **–** **Robot programming course** Mar 2018

* Managed the team by creating UML diagrams, briefly implementing Agile and taking an essential part in the team meetings with the Teaching Assistant in order to create a robot warehouse management system
* Besides team management, my role also regarded system integration and Bluetooth connectivity

**Web developer – Personal website** Jan 2018 - present

* Created a website and a live Text-to-Speech and Speech-to-Text chatbot using IBM Watson on my personal Raspberry Pi server from scratch

**IoT Developer – Project ‘myHaum’**  Jan – Aug 2017

* Started an Internet of Things project concerning home security using C for the Arduino micro-controller, the TCP/IP protocol, hardware modules using the Hayes command set and various embedded systems

**Mentor –** [**CoderDojo**](https://coderdojo.com/) **Romania** May 2015 - Dec 2016

* Mentored C/C++, web design to teenagers and Scratch for children

**Volunteer** **–** **QCon London** Mar 2016

* Volunteered at the [Software Architecture conference](https://qconlondon.com/) and was in charge of informing the attendees about keynotes or talks regarding architecture, security, project management and other tech-related subjects

**AWARDS AND CERTIFICATIONS**

* Winner of global JPMorgan CyberRange Capture The Flag contest acknowledged by the CISO of JPMorgan
* Top 400 team at Google Hash Code 2019
* 2nd place in the University of Birmingham CTF 2019
* 17th out of over 60 teams in the University of Cambridge’s InterACE CTF 2018
* Computer Science Excellence Scholarship, University of Birmingham 2017
* 6th place in the national contest [InfoEducatie](https://infoeducatie.ro/home) 2017 awarded by the Romanian Ministry of Education
* Excellence Diploma awarded by the Council of the Timis county and “Grigore Moisil” High School

**HOBBIES AND INTERESTS**

Learning something new every day, mentoring, running, yoga, reading, swimming, skiing, volleyball, hiking

**REFERENCES**

Phil Smith, Lecturer, University of Birmingham, email: [pxs697@cs.bham.ac.uk](mailto:pxs697@cs.bham.ac.uk)