

MComp Game Development student passionate about tools, network and **engine development** with a focus on **C++**.

Education

Newcastle University [2015 - Present]

- Dissertation > Investigated the implementations of **networking in games**.
 - > Implemented an **API written in C++** for **Client-Hosted** and **Peer-to-Peer networking**.
- Graphics > Wrote custom **OpenGL** shaders in **GLSL**.
 - > Experience with **matrix manipulation** for rendering and animating scenes.
- Team Project > Coordinated a small team as the **lead programmer** in an Android app development project.
 - > Distributed tasks and deadlines within the **Scrum** framework for my team and organised help sessions.

Stage 4

Average of **TBD%**
Adv. G. Prog. **96%**

Stage 3

Average of **75%**
Dissertation **74%**
Games Prog. **82%**
Graphics Prog. **80%**
Concurrency **89%**
Cryptography **85%**

Stage 2

Average of **78%**

Stage 1

Average of **73%**

St. Ambrose College [2008 - 2015]

- Programming > In own time **made simple games** in Scratch.
 - > Made **VB.Net terminal apps** such as a 'paint'-like program, that were **used as examples** for younger students.
 - > **Self-Taught Java** to make an ambitious game project. Achieved the grade of **A*** in this project.
- Tuition > **Volunteered to tutor** younger struggling students in both **Maths** and **Programming**.

A-Level

Grades of **A - C**
Computing **A* - A**
Maths **A - B**
Further Maths **A - C**
Polish Language **A* - A**

GCSE

Grades of **A - C**

Attributes and Skills

C & C++



GoLang



Java & C#



GLSL Shaders



VB.Net



Javascript & Web



Use custom rice for my **Emacs** and **Linux** configurations.



Familiar with markdown and **LaTeX**.



Regularly maintain and add Github projects on my personal account: github.com/SzyJ.



Can fluently communicate in **English**, **Polish** and currently learning **Japanese**.



Enjoy **Skiing**, **Snowboarding** and **Skydiving** whenever possible.

Work Experience

Formica Ltd.

- 📄 Documented the **data storage, processing** and **flows** through all areas of the company, ensuring that all processing is **GDPR compliant**.
- 🔧 Improved company productivity by **developing scripts** allowing for **automation of processes** such as extracting data from scans of purchase orders.

- 👤 **GDPR Compliance Intern**
📅 Jun 2019 - Aug 2019
📍 Newcastle-Upon-Tyne, UK
- ❓ Analysed company systems producing documents relating to GDPR compliance.

PCMS

- 🔗 Wrote code primarily in **Java** using the **Spring** framework, including a **TDD and BDD workflow** with various JUnit frameworks.
- 📋 Worked on the development of new features for **web service APIs**. Deployed QA WAS and Oracle Database servers.
- Extensive use of **Mercurial version control** in a professional environment. **Developed scripts** automating many processes previously done manually. Familiar with **continuous integration** systems.
- 🏆 As a team, **came 1st** in the Warwick University Hackathon **representing the company**. Also represented the company in other events such as University Careers Fairs.

- 👤 **Placement Software Developer**
📅 July 2017 - July 2018
📍 Coventry, UK
- ❓ Worked on various projects from John Lewis and Marston's till software to RESTful external services. Implemented new features and fixed bugs reported through Jira.

IamVIP

- 📷 Work by myself in a large variety of different night clubs every weekend, **constantly adapting to new environments**.
- 👥 Interacted with 50+ people every hour whilst applying **marketing techniques** to sell as many keyrings as possible and developing **interpersonal skills**.
- 💰 Worked in very busy conditions while managing the money that I made from each customer.

- 👤 **Nightclub Photography**
📅 Feb 2016 - May 2016
📍 Newcastle-Upon-Tyne, UK
- ❓ Promoted and marketed myself as a photographer in busy nightclubs taking professional pictures and selling keyrings.

Other places of employment

Research Intern at EventPad: Finding contact leads to surpass daily goal each day.

Shop Assistant in CEX in Manchester: Showing customers how electronic products work and testing incoming devices.

Low Voltage Appliance installation in Poland: Assisted in the installation of appliances such as alarm systems and satellite dishes for private homes and businesses.

References

References available upon request. Please contact me via e-mail or phone