

## 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 3

Average of **75%**  
*Dissertation* **74%**  
*Security* **75%**  
*Games Prog.* **82%**  
*Simulations* **63%**  
*Graphics Prog.* **80%**  
*Games Dev* **78%**  
*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

GoLang



C & C++



Java & C#



GLSL Shaders



VB.Net



Javascript & Web



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



Familiar with **L<sup>A</sup>T<sub>E</sub>X**. This CV can be found on my GitHub account: **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