

## Education

### Newcastle University

- Dissertation › Investigated the implementations of **net-working 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 **TBD**  
*Dissertation TBD*  
*Security TBD*  
*Games Prog. 82%*  
*Simulations TBD*  
*Graphics Prog. 80%*  
*Games Dev TBD*  
*Concurrency 89%*  
*Cryptography 85%*

Stage 2 Average of **78%**

Stage 1 Average of **73%**

### St. Ambrose College

- 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

Java & C#



C & C++



VB.Net



Javascript & Web



GLSL Shaders



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

### PCMS

- ✎ Wrote code primarily in **Java** 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.

### EventPad

- 👥 Worked in a small team of 8, under **high pressure conditions**
- 💡 Used innovative strategies to find contact information for employers with certain roles within companies that fit a given criteria.
- ⚙️ Implemented and exercised, practical, problem solving skills in order to consistently **surpass the daily lead goal**.
- 🕒 Worked on a daily 8:00 to 16:00 routine and **planned out** how to achieve the daily lead goal each day.

👤 Research Intern  
📅 June 2015 - July 2015  
📍 Altringham, UK

- ❓ Tasked with finding leads for an Event company allowing them to target the most optimal people with marketing their services.

### Other places of employment

**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