## Education

# Newcastle University [2015 - Present]

- Dissertation > Investigated the implementations of netwoking in games.
  - > Implemented an API written in C++ for Client-Hosted and Peer-to-Peer netwoking.

- 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 pro**grammer in an Android app developement project.
- Distributed tasks and deadlines within the Scrum ramework for my team and organised help sessions.

**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 > Volounteered to tutor younger struggling students in both Maths and Programming.

Stage 3 Average of 75% Dissertation 74% Security 75% Games Prog. 82% Simulations 63% Graphics Proq. 80% Games Dev 78% Concurrency 89% Cryptography 85%

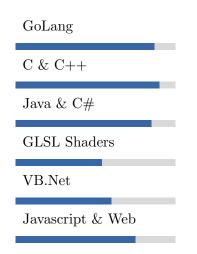
Average of 78%Stage 2

Stage 1 Average of **73**%

Grades of A - CA Level Computing A\* - A Maths  $\mathbf{A} - \mathbf{B}$ Further Maths A - C Polish Language A\* - A

GCSE Grades of A - C

# Attributes and Skills



- Use custom rice for my **Emacs** and **Linux** configurations.
- Familiar with LATEX. 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 throught all areas of the company, ensuring that all processing is GDPR compliant.
- ✓ Improved comapny productivity by Developing scripts allowing for automation of processes such as extracting data from scans of purchase orders.
- **♥** Newcastle-Upon-Tyne, UK
- **?** Analysed company systems producing documents relating to GDPR compliance.

#### **PCMS**

- Wrote code primerily 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. Femiliar 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.

- 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.
- **◊** 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 sattelite dishes for private homes and businesses.

## References

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