## Qualifications

BSc Computer Science, Cardiff University 2019

## Profile

Consultant with great communication skills, proven problem solver and team-player. With a strong interest in software engineering, game development and design, and artificial intelligence. Looking for a position where I can further develop my skills and make a positive contribution to an organisation.

Technical Skills

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| **Technology Domain** | **Technologies and Tools** |
| Programming Languages | Java, Python, C, HTML, CSS, JavaScript, Flask, PHP, R MATLAB |
| IDE’s | IntelliJ, Eclipse, Sublime text |
| Operating Systems | Windows, Linux (Ubuntu, Mint, Debian) |
| DevOps Technologies | Git, Google Cloud Platform, Azure |
| Database Technologies | MySQL, SQL, MongoDB |
| Project Frameworks | Agile Scrum, Waterfall |
| Other | Algorithms and Data Structures, Object Oriented Programming, High Performance Computing, Artificial Intelligence, Combinatorial Optimisation |

## Experience

GitHub Link: <https://github.com/JaviAZ>

LinkedIn Link: <https://linkedin.com/in/JaviAZ>

### QA Consulting – Consultant

**House Price Prediction Application**

Developed a cloud hosted application (with Google Cloud Platform) with a user interface (with Shiny), that using an SQL relational database of houses, predicts the sale price for house details (in R) input by the user with a 90% accuracy (using a weighted KNN algorithm).

**Blog**

Developed a blog with Flask, HTML, CSS, Python and SQL. Where a user can register an account, log-in and view, create and edit posts for a blog. The website was deployed in Azure and GCP manually and with docker/docker-compose.

**Group Presentation**

Worked in a team to develop a solution to a problem provided by a client using agile. Prepared and conducted an interview with a client, met as a group to develop a suitable solution and prepared and delivered a presentation.

### Cardiff University – Projects

**Poker Game with AI | Dissertation Project**

Researched, designing and developing an Artificial Intelligence capable of playing poker as well as a game engine and user interface in Python.

**Movie Rental Website | Software Developer**

Worked with a team of 5 students to design, develop and test a movie rental website in Django, which implemented item-to-item collaborative filtering to recommend movies, based on user reviews.

### Cardiff University – Work Experience

## **STEM Ambassador | From Oct 2017 – Jul 2019**

## Working in a team with other ambassadors to deliver STEM workshops to primary and secondary schools as well as university events. Responsible for managing students and parents during events.

## **Teaching Assistant | FROM Oct 2017 – Jul 2019**

## One to one mentor for students in labs, tutorials and lectures. Giving solutions to problems relating to programming and various course content.

## Additional Information

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| * Presentation skills | * Fluent in Spanish and English | * Problem solver |
| * Communication skills | * Team player | * Proactive |

## Hobbies/Interests

On my free time I enjoy listening to music, playing games and watching movies/TV shows. I like playing football, cycling and exercising at the gym.