Gerome Marc Braddock

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Summary

I am a determined, decisive and hard-working individual with bi-lingual (English/Spanish) communication skills and the ability to explain complex topics in easily understandable ways. I have a love for learning new skills and find that adapting to the needs and requirements of a job is the key to success.

Work Experience

Junior Data Scientist, Distributed Analytics
June 2019 – September 2019

- Python development using PyCharm and Jupyter.

- MongoDB and MySQL schema design and development, using SQL-Alchemy and flask-migrate libraries.

- Designing web API's to interface front-end and back-end using Flask.

- Coaching test-driven development to other members of the team, teaching best practices.

- Creation and maintenance of Jenkins for builds, automated tests and code coverage.

Junior Software Engineer, Placement year + rehire contract
August 2017 – July 2018, Part-time September 2018 – March 2019
West Control Solutions, Brighton, BN2 4JU

- C# development in Visual Studio. Bug fixing, multithreaded feature implementation, creating custom software tools for dev testing. Developed using a TDD methodology.

- Jira for task planning. Use of burndown charts and tracking of story points to accurately estimate deadlines.

- Jenkins continuous integration tool, including automatic deployment of installation packages to reduce human error and time taken for testers to receive updates.

Education

University of Sussex
Artificial Intelligence and Adaptive Systems MSc
September 2019 – September 2020

Algorithmic Data Science	**B-**	**(62%)**
Applied Natural Language Processing	**A**	**(73%)**
Artificial Life	**B**	**(63%)**
Mathematics and Computational Methods for Complex Systems	**B**	**(63%)**

University of Brighton
Computer Science BSc (Hons) – First Class Honours
September 2015 – June 2019

Final year modules:

Individual Project	**A+**	**(85%)**

Computer Graphics Algorithms	**A+**	**(85%)**
Applied Intelligent Systems	**A+**	**(92%)**
Programming Languages, Concurrency	**A+**	**(81%)**

Weighted average mark across final year modules: **79%**

Colegio Hispano Britanico, Lanzarote - Spain
A-levels: Spanish A (with distinction in Speaking), Physics B, Math's C
GCSEs, 9 A* to C grades including: Spanish A*, English Language A, Math's B

Projects
Emlin, detecting intruders using keyboard pattern recognition.
Final year dissertation
Machine learning project that is written in python, using Scikit-Learn in order to distinguish between users based on their keyboard input habits in order to detect intruders.

Data was collected from participants using a key-data collection tool written by myself in C# using a TDD methodology. Compared different machine learning models and measured the performance of each one to find which one detected intruders in the shortest amount of time (KNN, Neural Nets, RFT, SVM).

Honesty Shop*, Lanzarote Retreats SL
Written in Java, JavaFX, MySQL and version control in GitHub, the Honesty Shop is a self-checkout and stock control system spread across multiple devices across the complex.

Tracks, generates and emails clients' bills to staff for client checkout. Tracks stock, generates shopping list and alerts staff when stock drops too low. Has over 40,000 purchases.

Awards
July 2019 – Best Final Year Development Project (*£250*) for the Emlin project

Aug. 2019 – Chancellor's Masters Scholarship (*£3,000*)

Aug. 2019 – Pegge Scholarship in Intelligent and Adaptive Systems MSc (*£3,000*)

Nov. 2019 – Santander University of Brighton Ideas Competition Finalist *(£100)*

Sept. 2019 to Mar. 2020 – Startup Sussex Finalist

Software and System Skills
- Object oriented design patterns. Reproducing Gang of Four design patterns* in C#.

- Skills in SQL and querying using Microsoft SQL Server Management System.

*Available on GitHub

References
Manager, Stelios Kapetanakis
Project Manager and Founder, Distributed Analytics.
S.Kapetanakis@brighton.ac.uk

Project supervisor, Gulden Uchyigit
Deputy Head of School, Computing, Engineering and Maths. Personal tutor.
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