

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 History

Data Scientist Intern, 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.
- Web API design using Flask library.
- 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 contractor

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 intruder using keyboard pattern recognition**, BSc Dissertation
C#, Python, Scikit-Learn, TDD. Distinguish between user and intruder based on keyboard input habits, such as typing speed and key hold-time. Data collected from participants using a key-data collection tool. Compared different machine learning models and measured the performance of each one to find which one detected an intruder in the shortest amount of time (KNN, Neural Nets, RFT, SVM).

Honesty Shop*, Lanzarote Retreats SL.

Java, JavaFX, MySQL, GitHub. Self-checkout and stock control system spread across multiple devices across the holiday 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. Currently has over 40,000 purchases.

BidNbed.com (In-progress), Bidnbed Ltd.

GitHub, Python, Flask, MySQL, automated API and integration testing. Property rental site which allows flexibility in what you pay for your stay. Co-founder and lead backend engineer. Responsibilities include feature design, version-control and code standard maintenance.

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 (£1,000)

*Available on GitHub

References available on request