

Jacob Stone

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Summary

Driven final year Data Science & Analytics student BSc with 1 year experience as a software engineer at a conversational AI startup. Seeking work in ML/Software Engineering roles or Data Science roles. Offering strong interpersonal and task prioritisation skills. Organised and dependable candidate with a positive attitude. Willingness to take on additional responsibilities to meet team goals.

Experience

- **OpenDialogAI, London** — Software Engineer Intern | Aug 2022 - Aug 2023
 - Backend PHP Engineer at OpenDialogAI for 12 months.
 - Initial focus on learning Laravel and Vue frameworks over 6 weeks.
 - Built features for high-profile clients (Davies Group, PeppercornAI).
 - Transitioned to actively contributing to training, optimizing, and testing NLU models for the conversation engine using Amazon SageMaker and lang chain.
 - Self-managed end-to-end development of features: customer requirements and planning, backend and front-end development using Vue.js, testing, and client presentations.
 - Engaged in knowledge sharing sessions and show & tell meetings, demonstrating effective communication of complex ideas.
 - Adapted quickly to changes in a dynamic startup environment, following AGILE workflow principles.
 - Developed proficiency in Docker, enhanced Git skills, and gained basic AWS proficiency.
 - Received a return offer after 8 months and a subsequent offer after completion of the term.

Projects

- Final Year Deep Learning Coursework | Dec 2023 - Jan 2024
 - Used **TorchVision** to create and implement a ResNet style architecture to classify images from the imagewoof dataset.
 - Conducted 13 experiments to explore architectural changes, hyperparameter tuning and using various optimisers.
 - Experiments included using Squeeze and Excitation blocks, changing kernel size, filter size, number of layers, different loss functions and more.
 - Obtained a 70% accuracy in 10 epochs, and achieved 93% as the final grade.

Education

- **Bournemouth University, Bournemouth** — Data Science & Analytics | Sep 2020 - Aug 2024
 - Year 1: Graded 79%
 - Year 2: Graded 78%
 - Year 3: OpenDialogAI placement year
 - Year 4: Deep Learning 93%, Data Visualisation and Visual Analytics 80%, Machine Intelligence 81%, Dissertation TBC
- **Extracurricular** — BU Anime Society President 2021-22
 - Responsible for organising events, meetups and group watches. Keeping in touch with current members and overseeing duties of 4 other committee members. Exercising my teamwork and leadership skills to effectively communicate between my committee and the student's union.

Skills

LaTeX, PHP, Docker, Git/Github, AWS, Laravel, Vue.js, Python, Numpy, Pandas, PyTorch, Tensorflow, Terraform.

Awards

- **Faculty of Science & Technology Placement Prize** — Highly Commended | 2022-23
 - For outstanding performance and contribution while on placement year at OpenDialogAI. Awarded to students who go beyond expectations and take on and succeed with extra challenges; who make a tangible contribution; and/or make significant improvements to processes, the community and people's lives.
- **Letter of Commendation** | Academic Year 2021-22
 - "The Assessment Board was very impressed by your high level of achievement across a broad range of subjects. The Board ensures standards at a national level and hence your performance is measured against other universities and colleges. Bournemouth University places considerable importance in the development and success of its students. I am pleased to say that you have joined the ranks of other highly successful students, graduates and professionals. I am sure your achievement is an indication of your future success."

Interests

Guitar — I picked up guitar in the summer during the lockdown in 2020 playing on my Dad's jazz guitar. Guitar offers many benefits including increased memory capacity, improved maths and literacy and mental health.

Gaming — Engages problem solving and out of the box thinking whilst also strengthening communication and teamwork skills.

Generative Artistry — Creating generative art with languages like Processing and JavaScript in libraries like p5.js, as a method of decompressing and expressing creativity while practicing coding. Creations are posted to [instagram](#).