William E. Doyle

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WORK EXPERIENCE

Rocket from the Crypto Ltd   **Feb. 2021 – Present**
Founder and Director   Portsmouth
❖ As founder and director since Feb 2021, I've honed skills in cryptocurrency mining systems construction & programming, expanded computer science knowledge, applied prior accounting skills, and cultivated business management expertise.

The John Doyle Partnership   **Jun. 2016 – Feb. 2021**
Accounting Assistant   Portsmouth
❖ As an accountant assistant, I developed my computer skills, bookkeeping abilities, and organisation. I've built rapport with clients, aided with office IT issues, and shown dedication, perseverance, and enthusiasm.

EDUCATION

University of Portsmouth   **Sep. 2019 - Jun. 2023**
Mphys Physics
Degree Classification: 2:1 (Second Class Upper Division)

❖ Studied diverse modules: Electrodynamics, Astrophysics, Quantum Physics, Computational Physics, Mathematical Physics, Contemporary Theoretical Physics, and Cosmology.

❖ Developed skills in Machine Learning applications within the Advanced Computational Techniques module.

❖ Led a computational project titled "Searching for Black Holes Using Auto Differentiation", exploring how auto differentiation can be used in the detection of gravitational waves of black hole mergers.

Portsmouth College   **Sep. 2017 - Jun. 2019**
    ❖ A-Levels: Physics, Maths, Chemistry

SKILLS & INTERESTS

❖ [DeepLearning.AI TensorFlow Developer Certificate](#).
❖ Proficient in using Linux distributions such as Arch and Ubuntu, with a solid understanding of their system structures and command-line utilities.
❖ Proficient in Python, C, and debugging. Skilled in writing efficient code and managing [GitHub projects](#).
❖ Exceptional knowledge of computer hardware. Experience in assembling and troubleshooting various computer systems.
❖ beginner speaker in Esperanto and German, with experience learning via [Duolingo](#). Able to understand, speak, and write in both languages.
❖ Competent in playing the ukulele and guitar.

PUBLICATIONS

Doyle, W. (2023). Searching For Black Holes Using Auto Differentiation. *Emerging Minds Journal for Student Research*, *1*, 17–38. https://doi.org/10.59973/emjsr.10

Doyle, W. E. (2023). Advancements in the GravAD Pipeline: Template Reduction and Testing Simulated Signals for Black Hole Detection. arXiv preprint https://arxiv.org/abs/2307.11891

REFERENCES

Available upon request