Tim Parker Russell

AI Developer

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Work Experience

Lead AI Developer

PERSUASIONXP   *Jun. 2022 - Present*

- PersuasionXP is transforming the efficacy of marketing content, combining neuroscience and psychology with NLP and AI.

AI Developer

AMPLIFY LIFE   *Sep. 2018 - May 2022*

- Developed AI/Machine Learning systems and data pipelines for the 'Amplify' fitness and wellbeing app.
- Mostly integrated into a cloud infrastructure using AWS, and exposed via RESTful APIs.
- Driven by data collection, expert knowledge and user feedback, they included:
    - Recommendation and search systems, with natural language processing for learning, categorisation and synthesis
    - Inferencing and modelling, to reason on data and generate user predictions and advice

Programming, Graphic Design, Editing

FREELANCE   *2012 - 2018*

- Created automation and visualisation software, websites, logos, adverts and artwork for various clients. I also edited the book *Dark World*, and my work has been used for the cover of Nike Sulway's *Rupetta*.

Education

MSc, Intelligent and Adaptive Systems

THE UNIVERSITY OF SUSSEX | DISTINCTION   *Sep. 2017 - Sep. 2018*

- Machine Learning and Artificial Intelligence techniques
- Biological and machine intelligence, adaptivity and evolution, applied to practical problems e.g. genetic algorithms, navigation and control theory. Plus dynamical systems analysis, and the fields of artificial life and neuroscience of consciousness.
- Project: Modelling spiking neural networks to develop a novel image familiarity method for use in visual navigation

BA, English Language and Literature

THE UNIVERSITY OF BRIGHTON | 2:1   *Sep. 2013 - Aug. 2016*

- Brighton University Motorsport Team: Committee member, and won British Universities Karting Championship silverware

Skills

Technologies	Python/C++/Java/Typescript/HTML, AWS (standard services, plus Comprehend, Personalize, CDK), SQL and NoSQL databases, scikit-learn, git & GitHub | Some experience: Rust, TensorFlow, Keras
AI concepts	Natural language processing, recommender systems, inference engines, data preprocessing, game playing e.g. Minimax, genetic algorithms, neural networks, parameter tuning, cross-validation, data visualisation
Misc	Photoshop/Illustrator, Excel, documentation & diagramming, copy editing, data scraping, LaTeX