

I am searching for an opportunity to develop my skills in machine learning and software development, where I would be part of a team involved in projects using and exploring such areas in ML as computer vision and transfer learning. I would like be able to use my creative background along with my analytical skills to develop and enhance software projects in a modern and innovative environment.

Skills

Python, TensorFlow, Machine Learning, Deep Learning, Django, DRF, Bash, Zsh, JavaScript, HTML, CSS, SASS, Vim, Git, PHP, WordPress, Jupyter labs, NumPy, SciPy, Matplotlib, LaTeX, Linux, macOS

Software Development

Deimos Space UK, Harwell, Oxfordshire, July – Sept 2019. (Internship)

Machine Learning / Deep learning / Computer Vision

- Built object detection model for earth observation data, to detect and differentiate between biodiversity types (Python, TensorFlow and Keras).
- Researched methods of transfer learning in neural networks, and implemented one in a project constrained by a limited labelled dataset; improving training time.
- Created internal reference documentation for CVAT (Computer Vision Annotation Tool).
- Collaborated on a poster researching computer vision methods using machine learning, neural networks and transfer learning.

Yobota, London, Jun – Sep 2018. (Internship)

Software Development Summer Intern – Integrations / APIs

- Lead Python developer for OpenBanking integration, using Django / DRF
- Participated in daily stand-up and weekly sprint planning meetings
- Delivered team keynote on OpenBanking
- Create documentation on “Creating a test driven integration” to work on the Yobota platform

Stillnessinyoga, Remote, The Netherlands, June 2016 – 2018

Front-end web development / Digital content development

- Lead developer for multi-lingual e-comms WordPress site

- Built site using the Genesis theme framework featuring an events calendar, ecommerce platform, content restricted membership subscriptions and membership forum
- developed a custom secure Amazon S3 media serving platform
- Worked along side head teachers to design and put together three teacher training manuals (Level 1, 2, & Advanced 2) – in iBook format – an interactive e-publishing book format

(Selected freelance projects)

- 2016: **Ecostage Pledge**. *Web developer*. Designed and coded the website for a community of artists and designers. Features include a membership which integrating BBPress user interaction features.
- 2013 – 2015: **VCS Assist**. *WordPress theme developer*. Designed and coded the community website for publishing a blog and news articles. Later created a business directory, for users to publicise their projects.
- 2012: **London for All**. *Web developer*. Designed and coded the community news site.

Education

2017 – 2020: **Bsc Physics**

Queen Mary University of London, London, UK

2016 – 2017: **Access to Science Diploma**

Tower Hamlets College, London, UK

2003 – 2007: **Bachelor of Fine Arts (Photography)**

Victorian College of the Arts, Melbourne, Australia

Reference

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Academic Reference

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