Samuel Overington

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Searching for an internship in software engineering and machine learning, to increase my awareness in areas like computer vision, 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 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 written 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

(*freelance*)

- 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.
- 2015: **Giddy Diva**. *WordPress theme developer*. Migrated a static site to WordPress, Built out theme, integrated client testimonials.
- 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.
- 2012: **MIAGOA**. *WordPress theme developer.* Developed site from a photoshop image design template.

Teaching

- 2016: *Introduction to WordPress*, **Platform 39**. Developed and presented a two day introduction to WordPress course for complete beginners.
- 2012 – 2014: *Various art classes*, **City Lit:** Introduction to drawing, Introduction to painting, Life drawing, Sketch book evening.

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Education

2017 – 2020: **Bsc Physics**
Queen Mary University of London, London, UK

2016 – 2017: **Access to Science Dimploma**
Tower Hamlets College, London, UK

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

Victorian College of the Arts, Melbourne, Australia

Reference

Mr. David Petit, *Head of EO applications*, Deimos Space UK Ltd, **Address:** Building R103, Fermi avenue, Harwell-Oxford OX11 0QR United Kingdom | 01235 567 377

Academic Reference

Dr. Sanjaye Ramgoolam, *Reader in Theoretical Physics*, **Address:** Queen Mary University of London, G. O. Jones Building, Room 609, Mile End Road London E1 4NS
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