ADAM VERCINGETORIX STEPHEN

Innovator & Theoretical Physicist

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EXPERIENCE

Director
Infinnovation Ltd.
July 2013 – Ongoing | Oxford, UK

- Commercialised the PiWall video software system – using an open source and premium services model.
- Developed a custom tradeshow PR stand system for JETCAM international robotics corporation.
- Collaborated with StudioJoJ to install an 80 screen PR system for a world bank event in Washington, D.C.

I & C Business Development Manager
United Kingdom Atomic Energy Authority
Oct 2010 – July 2012 | Culham, UK

- Led a winning $5M bid to provide consultancy services to the ITER global nuclear fusion project.
- Project managed the delivery of state of the art instrumentation verification for complex magnetics diagnostic system.
- Built a highly successful international collaboration team which installed transformative real-time networking on the European JET tokamak.

Senior Software Engineer
Pelican Software
1999 – 2012 | Culham Centre for Fusion Energy, UK

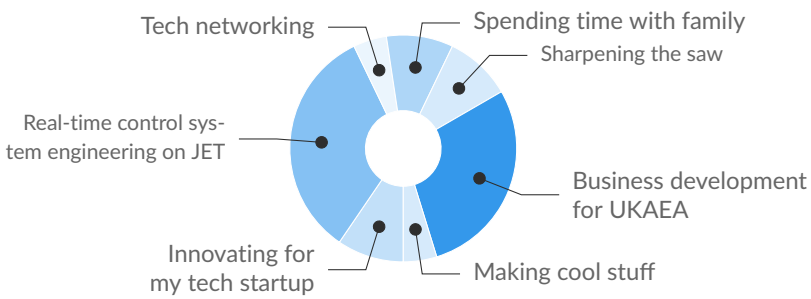
- Led the design, development and commissioning of a real-time protection system for the £50M ILW.

Summer Student
CERN European Centre for Nuclear Research
Jun 1998 - Sep 1998 | Geneva, Switzerland

Sponsored Student
UK National Physical Laboratory
Sep 1990 - Sep 1994 | London, UK

- R&D projects in medical ultrasound and military acoustics.

A DAY IN MY LIFE



LIFE PHILOSOPHY

Docendo discimus.
By teaching, we learn.

MOST PROUD OF

FightingGlobal Warming
research in Physics to understand & Fusion energy generation to combat.

Charity Contributions
Cancer Research fund raiser parachute jump at 16.

Erdős-Bacon number of 8.
Erdős number 4 via publications with my doctoral supervisor. Bacon number 4 by making a TV series in Africa.

Persistence & Effort.
Completed a 1000 mile bike ride around Ireland.

STRENGTHS

Hard-working (18/24) | Persuasive | Motivator & Leader

Real-Time Control Systems & Technology | Business Development & Innovation

LANGUAGES

English
French
Spanish
German
Mandarin
Russian

EDUCATION

D.Phil. in Atmospheric Physics & Maths
University of Oxford
Sept 1994 – June 1998

B.Sc. in Maths & Theoretical Physics with French
St.Andrews University
Sept 1990 – June 1994

PUBLICATIONS

Journal Articles

- Batista, Antonio JN et al. (2017). “F4E prototype of a chopper digital integrator for the ITER magnetics”. In: *Fusion Engineering and Design* 123, pp. 1025–1028.
- Winter, A et al. (2015). “Implementation strategy for the ITER plasma control system”. In: *Fusion Engineering and Design* 96, pp. 720–723.
- Alves, Diogo et al. (2014). “A new generation of real-time systems in the JET tokamak”. In: *IEEE Transactions on Nuclear Science* 61.2, pp. 711–719.
- Neto, André C et al. (2014). “A real-time architecture for the identification of faulty magnetic sensors in the JET tokamak”. In: *IEEE Transactions on Nuclear Science* 61.3, pp. 1228–1235.
- Valcarcel, DF et al. (2014). “The JET real-time plasma-wall load monitoring system”. In: *Fusion Engineering and Design* 89.3, pp. 243–258.
- Alves, D, R Felton, et al. (2012). “Vessel thermal map real-time system for the JET tokamak”. In: *Physical review special topics-accelerators and beams* 15.5, p. 054701.
- Neto, A et al. (2011). “MARTE framework: a middleware for real-time applications development”. In: *Proceedings of ICALEPCS2011*.
- Stephen, AV, IM Meroz, and PL Read (1999). “POD analysis of baroclinic wave flows in the thermally-driven, rotating annulus experiment”. In: *Physics and Chemistry of the Earth, Part B: Hydrology, Oceans and Atmosphere* 24.5, pp. 449–453.

Conference Proceedings

- Alves, D, A Neto, et al. (2011). “The software and hardware architectural design of the vessel thermal map real-time system in JET”. in: *International Conference on Accelerator and Large Experimental Physics Control Systems ICALEPCS 2011*.
- Stephen, Adam et al. (2011). “Centralised coordinated control to protect the JET ITER-like wall”. In: *International Conference on Accelerator and Large Experimental Physics Control Systems ICALEPCS 2011*.

REFEREES

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