

# Sylvain Viguier

Technical Project Manager, 5 years experience

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Native French speaker • Fluent in English

## Education

Sept 2006 – Dec 2011: **ESIEE Engineering**. Paris, France

MSc in Telecommunications and Signal Processing (Distinction)

Sept 2009 – Jun 2010: **BRUNEL University**. London, UK. Erasmus Exchange

MSc in Wireless Communication, Dissertation conducted with Motorola

## Work Experience

Jan 2016 – Present: Head of Technology at **Entia**. London, UK

*Imperial college spin-out aiming at simplifying blood tests*

- Software and Hardware team management and mentoring
- Product line, specifications, code review and release management
- Subcontractors and manufacturers relations, regulatory affairs - ISO13485, 62304...

Jun 2015 – Jan 2016: Senior Embedded Software Engineer at **Entia**. London, UK

- Project planning, firmware architecture and implementation
- Bare-metal embedded C/C++ for ARM, connectivity, power optimisation, GUI
- Unit and regression test framework with automation written in Python

Sept 2013 – Jun 2015: Research Associate at **UCL**. London, UK and Philippines

*Member of the Hunter-Gatherer Resilience Project*

- Multidisciplinary team augmenting anthropological fieldwork using new technology
- Complete project ownership from design to test, deployment and data processing
- Now working on publications as Affiliate Fellow - see publications list

Mar 2012 – Sep 2013: Embedded Software Engineer at **Qualcomm**. Farnborough, UK

*Leading Semiconductors and Telecommunications products and services design*

- Part of RF Driver team, implementing the physical layer of modems in Embedded C
- Customer support for handset design and optimisation
- New features development with internal research and 3GPP technical specifications

## Technical Skills

### Embedded and Telecommunications

- Expert in Embedded C/C++
- Complex debugging with JTAG
- Signal Processing on ARM and DSP
- GSM, UMTS, LTE, BLE, I2C, SPI
- Analogue and digital electronics

### Computer Science

- Git, JIRA, Coverage, Lint, Agile
- Python for data science and stats
- HTML, CSS and JS for web apps
- G Suite, App Engine, Office
- MATLAB, Simulink for simulations

## Interests

- Vice President ESIEE Student Union 2008-10, Coordinator ESIEE Alumni in UK since 2015
- London Music Hackspace since 2012, article in NIME 2014, see publications list
- Rock climbing, cycling, ski, photography and passionate world traveller

# Publications List

## ***Published***

- Migliano, A. B., Page, A. E., Gómez-Gardeñes, J, **Viguiet, S.**, Dyble, M., Thompson, J., Chaudhary, N., Salali, G., Smith, D., Strods, J., Latora, V., Thomas, M., Mace, R., Vinicius, L. (2017) High-resolution characterisation of hunter-gatherer interaction networks. *Nature Human Behaviour*. Volume1, Issue 2, pages 1-6.
- Page, A. E., **Viguiet, S.**, Dyble, M., Smith, D., Chaudhary, N., Salali, G., Thompson, J., Vinicius, L., Mace, R., and Migliano, A. B. (2016) Reproductive trade-offs in extant hunter-gatherers suggest adaptive mechanism for the Neolithic expansion. *PNAS*, 113 (17), 4694-4699.
- T. Murray-Browne, D. Aversano, S. Garcia, **Viguiet S.**, D. Lopez, T. Sendon, P. Tigas, and K. Ziemianin. The cave of sounds: An interactive installation exploring how we create music together. *In NIME*, 2014.

## ***Under Revision***

- Page, A. E., Chaudhary, N., **Viguiet, S.**, Dyble, M., Smith, D., Salali, G., Thompson, J., Mace, R., and Migliano, A. B. (under minor revisions) Hunter-Gatherer Social Networks and Reproductive Success. *Scientific Reports*.

## ***Submitted***

- Page, A. E., **Viguiet, S.**, Dyble, M., Smith, D., Chaudhary, N., Salali, G., Thompson, J., Mace, R., and Migliano, A. B. (submitted) Why care? Testing adaptive hypotheses in Agta foragers. *Ecology Letters*.