Simone Ivan Conte | CV

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Education

Heriot-Watt University   **Edinburgh, UK**
MSc Applied Mathematics (2 years part-time)   *2020 – 2024*

University of St Andrews   **St Andrews, UK**
PhD Computer Science   *2014 – 2018*
Thesis: 'The Sea of Stuff: a model to manage shared sutable data in a distributed environment'

University of St Andrews   **St Andrews, UK**
BSc (Hons) Computer Science - First Class   *2010 – 2014*
Dissertation: 'HaptiQ: A Haptic Device for Graph Exploration by People with Visual Disabilities' (Lockheed Martin Award for Software Engineer 2014)

United World College in Mostar   **Mostar, BiH**
IB Diploma   *2008 – 2010*
Extended Essay: 'What are tensors and how can they applied to mechanics?' (Grade: A)

Publications and Abstracts

- **A graph-based versioning storage to overcome data inconsistencies across bullying microservices** *SI Conte - Abstract presented at the UK Systems Research Challenges 2019 Workshop, Newcastle, UK*
- **Integration of an active research data system with a data repository to streamline the research data lifecycle: Pure-NOMAD case study** *SI Conte, F Fina, M Psalios, S Reyal, T Lebl, A Clements - International Journal of Digital Curation, 2017*
- **Modelling Context and Provenance in a Sea of Stuff** *S.I. Conte, G.N.C. Kirby, A. Dearle, I. Paterson, A. O'Lenskie - Abstract presented at the TaPP Workshop on Theory and Practice in Provenance, USENIX, 2015*
- **Depth perception with gaze-contingent depth of field** *M. Mauderer, S.I. Conte, M.A. Nacenta, D. Vishwanath - In Proceedings of the SIGCHI Conference on Human Factors in Computing Systems, ACM, 2014 (Honorable Mention Award)*
- **Using Gaze-contingent Depth of Field to Facilitate Depth Perception** *M. Mauderer, S.I. Conte, M.A. Nacenta, D. Vishwanath - i-Perception, 2014*

Experience

Adobe Inc.   **Edinburgh, UK**
Computer Scientist   *June 2018 – Present*
I help design and develop the core backend and frontend services for Adobe Business Platform, thus enabling the business to offers its products and services to customers worldwide.

NOMAD - NMR Online Management Datastore

Software Engineer (part-time)

St Andrews, UK

October 2014 – February 2018

NOMAD is a versioned controlled data management system for the Solution Phase NMR Spectroscopy technologies used by the School of Chemistry at the University of St Andrews. I re-designed the system and helped it scale acros the entire chemistry department. Further, I have supervised six students over the years and some of their work resulted in novel research work.

Adobe Inc.

Software Engineer Intern

Edinburgh, UK and Seattle, USA

July – September 2014

I have worked on improving the performance of the Adobe Creative Cloud solution for mobile via batch data transfers (USA). Further, I have worked on migrating the HTTP file transfer library of the Adobe Creative Cloud to its cross-platform version (UK).

Adobe Inc.

Software Engineer Intern

Edinburgh, UK

June – August 2013

I worked on improving the performance of the HTTP library used by Adobe Creative Cloud through multipart data uploading. I have also developed a prototype to exchange data between P2P clients.

University of St Andrews

Research Assistant Intern

St Andrews, UK

September – December 2012

I researched gaze-contingent displays by designing and coding experiments based on my previous research. The result of this work is a paper published at SIGCHI 2014.

University of St Andrews - (SACHI, PSYCS Scholarship)

Research Assistant Intern

St Andrews, UK

February – June 2012

I have researched gaze-contingent displays. The result of this research is a novel approach on the visualisation of depth in an image based on one's gaze.