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| ADDRESS | XXX XXXXXX XX, XXXXXX XX XXXX, United States | sweet@csail.mit.edu +1 XXX XXX XXXX |
| DESIRED EMPLOYMENT | A full time software development position or internship, ideally applying computer vision, machine learning and probabilistic modeling to state of the art applications. | |
| EDUCATION | Massachusetts Institute of Technology, United States S.M. Electrical Engineering & Computer Science | 09/2010 - present GPA: 4.3/5.0 |
| | University College London, United Kingdom M.Sc. Computer Science | 09/2008 - 09/2009 GPA: 4.9/5.0 |
| | University of Sussex, United Kingdom B.A. Artificial Intelligence | 09/2006 - 07/2008 GPA: 4.9/5.0 |
| | Relevant courses: Algorithms for Inference, Computer Vision, Image Processing, Optimization, Machine Learning, Natural Language Processing, Computer Graphics, Analysis of Algorithms, Distributed Systems, Java Programming, Software Design, Databases. | |
| PROFESSIONAL EXPERIENCE | MIT CSAIL, Medical Vision Group, United States Research Assistantship on Brain Network Analysis | 09/2010 - present |
| | Researched functional brain connectivity and the identification of anomalous nodes in abnormal networks. Read, discussed and implemented research papers on machine learning and probabilistic models. | |
| | INRIA, Asclepios Group, France Research & Development Internship on Image Registration | 10/2009 - 07/2010 |
| | Researched computation of diffusion tensor deformation statistics using a Lie algebra parameterization of image transformations. Contributed to a publicly available C++ ITK implementation of tensor image registration. | |
| | University of Sussex, PAL, United Kingdom Peer Assisted Learning Teaching Assistant | 09/2007 - 07/2008 |
| | Planned and taught study sessions in Java programming, databases, computer vision & natural language processing. Coordinated by e-mail and in weekly meetings with other teaching assistants to plan and schedule study sessions. | |
| SELECTED PUBLICATIONS | G. Langs, D. Lashkari, A. Sweet , Y. Tie, L. Rigolo, A. Golby, and P. Golland. Learning an Atlas of a Cognitive Process in its Functional Geometry. <i>Proc. of IPMI: Information Processing in Medical Imaging</i> LNCS 6801, pp. 135-146, Irsee, Germany, July 2011. | |
| | A. Sweet and X. Pennec. A Log-Euclidean Statistical Analysis of DTI Brain Deformations. <i>Proc. of MICCAI Workshop on Computational Diffusion MRI</i> , pp. 198-209, Beijing, China, September 2010. | |
| | A. Sweet and D.C. Alexander. Reduced Encoding Persistent Angular Structure. <i>In Proc. of ISMRM: International Society of Magnetic Resonance in Imaging</i> , p. 572, Stockholm, Sweden, May 2010. | |
| COMPUTER SKILLS | Java, C++, MATLAB, Python, ITK, SQL, OpenGL, Bash, Eclipse, Git, SVN, \LaTeX . | |
| LANGUAGES | French (conversational), Japanese (beginner). | |
| CITIZENSHIP | United Kingdom of Great Britain & Northern Ireland | |