ELLIOT SALISBURY

+44 7706 135 249 - elliot.sal@gmail.com

EDUCATION

UNIVERSITY OF SOUTHAMPTON 2013 - Present

PhD in Computer Science

Bringing Human-Intelligence to Robotic Agents through Real-time Crowdsourcing, my research combines my expertise of real-time crowdsourcing with computer vision and machine intelligence techniques to create human intelligent sensor feeds. These feeds can be used, for example, to inform an expert of difficult to spot targets, or to rapidly map areas affected by a disaster.
https://crowdrobotics.org/projects/crowdar

UNIVERSITY OF SOUTHAMPTON 2008 - 2012

Masters of Computer Science with Artificial Intelligence

Reducing Noise in the Image Ray Transform, improved upon the state of the art image processing algorithm used in biometrics, and medical image processing.

SKILLS SUMMARY

Programming Languages:	Python (advanced), Java (advanced), C/C++ (intermediate)
Full-Stack Web Developer:	HTML, JavaScript, WebSockets, Redis, AWS, Nginx, SQL, Node.js
Familiar Libraries:	OpenCV, Django, QT, ROS

PROFESSIONAL EXPERIENCE

MICROSOFT RESEARCH

Research Intern June 2016 – September 2016

Created a novel investigative tool to solve accessibility challenges in social media, using Node.js and Microsoft Cognitive Services, combining real-time crowdsourcing with computer vision, machine learning and accessibility practices.

HAWKEYE INNOVATIONS

Software Developer July 2012 – September 2013

Solving computer vision challenges using Hawkeye's tennis ball tracking technology to deliver a highly customisable coaching environment, using Java Spring Framework and many other web technologies to allow the coaches to give more refined feedback to their athletes.

SIDE PROJECTS

www.objctify.me Using computer vision and machine learning to rate and beautify selfies.

PUBLICATIONS

CrowdAR: A Live Annotation Tool for Rapid Mapping, Salisbury, Elliot, Stein, Sebastian, Ramchurn, Sarvapali D. In, Humanitarian Technology, Boston, USA, 07 – 09 June 2016. 5pp.

CrowdAR: Augmenting Live Video with a Real-Time Crowd, Salisbury, Elliot, Stein, Sebastian, Ramchurn, Sarvapali D. In, Human Computation, San Diego, USA, 08 – 11 November 2015. 9pp.

Real-Time Opinion Aggregation Methods for Crowd Robotics, Salisbury, Elliot, Stein, Sebastian, Ramchurn, Sarvapali D. In, 14 International Conference on Autonomous Agents and Multi-Agent Systems (AAMAS), Istanbul, Turkey, TR, 04 – 08 May 2015. 8pp