

Cameron Steer

User Experience Researcher

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Profile

Passionate about bringing innovation and growth to people and organisations. Cameron is a UX researcher driven to learn and discover new things about the way we interact with technology. He achieves results in fast-paced environments, establishing and testing explicit hypothesis learning to continual learning and development.

Education

Swansea University, Wales, UK

Ph.D. in Computer Science

2015 - 2019

Thesis: Exploration into Tangible Interfaces for Digital Artists and Designers

Rapid software and hardware prototyping, user research utilising; user studies, co-design, ethnography. Qualitative and quantitative data analysis. Published in academic conferences. Collaboration with BBC R&D. Microsoft Summer School and EPSRC Nation of Pioneers.

Bachelor of Science, Computer Science — First Class Honours

2012 - 2015

Dissertation: Building Group Tangible Music Experiences for People Living with Dementia

Variety of programming languages, computer vision & graphics, databases, algorithms, concurrency, maths, HPC, software engineering, embedded systems, Android and HCI.

Dissertation: Building Group Tangible Music Experiences for People Living with Dementia

Cross Keys College, Wales, UK

BTEC, Information Technology — Distinction* achieved in all modules

2010 - 2012

Pontllanfraith Comprehensive School, Wales, UK (High School)

11 subjects including Maths, English and Sciences at GCSE Level.

2005 - 2010

Experience

Swansea University, Swansea, UK

Teaching Assistant

2015 - 2018

Computer Science modules: Introduction to Human Computer Interaction, Embedded Systems, Hardware and Devices and UX. Organised; student workshops and conferences.

HCI Research Internship

2014

Exploring Human-Computer-Plant Interaction. Experience in; analysing related work, HCI prototyping methods, presenting research, designed, organised and conducted user studies and wrote a CHI conference paper. Attended workshops and conference.

Amity Web Solutions Ltd, Caerphilly, UK

Web Developer Internship

2012

Converting webpage designs to HTML/CSS templates. Developed colour tool for a CMS.

Airborne Systems Europe, Bridgend, UK

ICT Assistant

2011

Established a new training Information System and became involved with various data control projects, including CNC programmes and machine tool measuring systems.

Skills

Research: Qualitative and quantitative methods including: lab-based studies, interviews, ethnography, contextual inquiries and co-design projects. Ability to use and present descriptive statistics. Python and SPSS data analysis. Published Academic papers.
Prototyping: Wireframing, Arduino, Mobile/Web App Development, digital fabrication.
Collaboration: Workshop facilitation, excellent verbal/written communication and superb presentation skills. Collaboration in analysing and reporting results.
Design: Concept/Story board sketching, Abode Creative Cloud, Latex.
Business: Strategy, Growth Hacking, Google Design Sprint, basic digital marketing.

Publications

Cameron Steer, Simon Robinson, Jennifer Pearson, Deepak Sahoo, Ian Mabbett, and Matt Jones. **A liquid tangible display for mobile colour mixing.** In Proceedings of the 20th International Conference on Human-Computer Interaction with Mobile Devices and Services (MobileHCI'18). ACM.

Cameron Steer, 2017, September. **Designing mobile deformable controls for creation of digital art.** In Proceedings of the 19th International Conference on Human-Computer Interaction with Mobile Devices and Services (MobileHCI'17). ACM.

Cameron Steer, Pearson, J., Robinson, S. and Jones, M., 2017, May. **Deformable Paint Palette: Actuated Force Controls for Digital Painting.** In *Proceedings of the 2017 CHI Conference Extended Abstracts on Human Factors in Computing Systems (CHI'17)*. ACM.

Cameron Steer, Robinson, S. and Jones, M., 2015, April. **Growth, change and decay: plants and interaction possibilities.** In *Proceedings of the 33rd Annual ACM Conference Extended Abstracts on Human Factors in Computing Systems (CHI'15)*. ACM.

Awards

EPSRC Nation of Pioneers Finalist (Ongoing as of Writing)
Swansea University & British Computer Society: Best Student Project
BBC News Labs: Overall Winner BBC NewsHACK South Wales
Swansea University: Overall Winner Gregynog Programming Hackathon
Swansea University: Overall Winner Swansea Maker Competition
Swansea University: Excellence Scholarship

Conference Activity

CHI,	Submission Reviewer	2019
DIS,	Submission Reviewer	2018
MobileHCI,	Submission Reviewer	2017
MobileHCI,	Web and Social Media Chair	2017
CHI,	Student Volunteer	2015

References

Professor Matt Jones, Swansea University
Dr Phil Stenton, BBC R&D