

Samuel Martin

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Statement	Creative, enthusiastic Computer Vision Researcher. Keen interest and applied skills in rapid prototyping and embedded electronics. Previously worked at a financial technology firm in Bristol and a visual effects studio in London.
Education	1st Class BSc - Computer Science with Vision - Cardiff University 2013 - 2017 Modules include: Digital Signal Processing and Multimedia, Graphics, Vision, Artificial Intelligence, Optimisation, Computational Thinking, Web Applications, UI Design, Scientific Computing, Databases, System Design, Networking, Algorithms & Data Structures Projects Include: Autonomous Structured Light Robotics, Extensive Image Processing in Matlab and Java, Audio Processing and Synthesis in Matlab, Network Analysis and Optimisation in Python. Final Year Project - 97%, CS Undergraduate Award winner for Europe: Build and program a mobile robot that utilises structured light for autonomous Simultaneous Location and Mapping tasks.
Work Sept 2018 Present	Research Associate - University of Bristol / Perceptual Robotics Researcher in drone localisation at Bristol University's Vision Information Laboratory. Skills: Research, Problem Solving, ROS, Computer Vision, Localisation
July 2018 2 months	Robotics and AI Tutor - King Saud University / Oxmedica Planning and teaching a 3 week Robotics and AI enrichment course in Saudi Arabia for 20 gifted and talented 14-16 year olds. This also includes construction of Raspberry Pi robots and planning all course material. Skills: Lesson planning, Communication, Teaching
Sept 2017 7 months	Graduate Software Developer - Gresham Tech Developed critical new features and tests in Java and Groovy. Debugged multiple issues throughout a large codebase. Skills: Large codebase debugging, Testing, Continuous deployment
June 2015 12 months	Information Management Systems Intern - Double Negative Visual Effects Developed and maintained various global tools and systems. Managed upgrade projects and communicated with internal and external clients. Worked closely with recruitment developing insight reports and maintained the local intranet. Skills: Issue & project management, Communication with clients, Teamwork

Part-Time Experience

International Student Mentor / Representative / STEM Ambassador - Cardiff University

2013 - 2017

Meet regularly with first year students to discuss pastoral and academic issues. Represent Computer Science and Cardiff University at open and inspiration days. Ran workshops for Tavistock College, Cathedral School Llandaff and ACE Cardiff. Representative to the public and prospective students at open days and fairs, travelled to Borneo to represent Cardiff University at Universiti Brunei Darussalam.

Skills: Communication, Teaching , Public Speaking, Presentation, Understanding Of Cultural Diversity.

Animation Supervisor - 3Dami London

2014 - 2016

Technical, animation and team supervisor for 21 students on a one week intensive animation course at University College London.

Skills: Teaching, Technical, Teamwork.

Technical IT Skills

Coding: Python, Java, Groovy, Javascript, MATLAB, ROS, C++, Embedded Systems
Collaboration, Version Control & Devops: GIT, JIRA, Confluence, Jenkins, Fisheye
Graphics & 3D Design: FDM 3D Printing, Blender, Adobe Creative Suite (Ae, Ps, Pr, Au)

Interest & Awards

Awarded The European Undergraduate Award for Computer Science.
Awarded Best final Year Project award for Cardiff University Computer Science 2017
Awarded both the Computer Science award and the Contribution to 6th Form Award at Tavistock College. First to win a Kelly College Scholarship for Design & Technology and the first to receive a Pearn & Procter prize for Art & Design below 6th form.
Enjoys wearable tech, embedded systems, robotics, filming, costumery, lighting, microcontrollers.
Builds autonomous robots, electric roller skates, Raspberry Pi LED costumes
Hitchhiked from Cardiff to Morocco raising £600 for Link Community Development.

References

Andrew Calway - Project Supervisor - University Of Bristol
andrew.calway@bristol.ac.uk

Colin Reid - Development Manager - Gresham Tech
creid@greshamtech.com

David Marshall - Personal Final Year Project Supervisor - Cardiff University
MarshallAD@cardiff.ac.uk