

Ryan Suchocki — Curriculum Vitæ

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**Embedded Software Engineer with extensive interests in electronics,
mechanical engineering and mathematics**

www.suchocki.co.uk

Education

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| 2011–2014 | BSc (Hons) in Computer Science, First Class. University of Warwick. |
| 2009–2011 | A-Levels in Mathematics, Computing, Further Mathematics and Physics. (A*, A*, A, A)
Hills Road Sixth Form College, Cambridge. |
| 2004–2009 | GCSEs in Mathematics, Sciences, English, Languages and Music. (7×A*, 4×A)
Self-taught Statistics GCSE. FSMQ in Advanced Mathematics. |

Employment

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| Oct' 2017 – | Software Engineer — Cambridge Consultants Ltd.
Working as a Software Engineer within the Wireless and Digital Services division, I focus on Embedded programming in satellite data products. Through this role, I am expanding my knowledge of RF, and of the broader business processes of Technology Consultancy. |
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Experience

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| 2015–2016 | Freelance Automotive Engineer
I was engaged to consult and work on a bespoke replica car project which was left unfinished by a previous engineer. I was responsible for completing the assembly of the car, as well as overcoming various engineering challenges by sourcing and adapting parts from different cars, fabricating custom parts, designing parts and having them made externally. The initial goal was to make it safe and roadworthy, and latterly to prepare it for a prestigious car show. |
| 2007–2011 | Freelance Web Design & IT consulting
Occasionally developing websites and providing IT consulting on a freelance basis. Examples include an e-commerce website for a small company (beautifulglassproducts.com) manufacturing glassware from recycled bottles, and providing on-site IT support for a company (Salice UK Ltd) struggling with legacy computer systems, whilst consulting on the practicalities of modernisation. |
| 2007–2011 | Audio/Visual Technician — Bar Hill Church Centre
Operating a sophisticated sound and projection system for a large, modern church centre, for events ranging from regular church services to children's holiday clubs, weddings, and conferences. I have co-ordinated complex events involving speech reinforcement, live musicians, recorded media and theatrical sound effects, both single-handedly and with an assistant. I have also been asked to train volunteers in the use of this equipment. |

Publications

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| 2014 | Ryan Suchocki and Sara Kalvala. “Microscheme: functional programming for the Arduino”. In: <i>Proceedings of the 2014 Scheme and Functional Programming Workshop</i> . Indiana University, 2014. |
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Achievements

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| 2013 | DeutscheBank DBCampus winning team
A group project, organised by Deutsche Bank as part of the Computer Science degree. As part of a team of five people, I lead the development of a cross-platform mobile app intended to provide London housing data for students in a visually novel way, integrated with the Google Maps API for commute-time estimates. I lead the final pitch to Deutsche-Bank representatives, securing a definitive victory for the team. |
| 2009 | School Award for English Language
I received the 'Paul Leigh-Morgan award for English language', awarded once per year by Swavesey Village College for "rich and precise use of language" and "highly original thinking". |

Skills & Areas of Expertise

- Technical writing and presentations. Mathematics and Functional Programming
- Programming in C, Assembly (AVR, x86), Scheme, Haskell, Java. Working familiarity with Git
- Atmel AVR micro-controllers. Digital and analog electronics. PCB Design
- Linux & Open Source Software. Web and graphical design: HTML, CSS, JS, PHP and SQL
- Mechanical engineering (especially automotive). Practical skills including machining and welding

Professional Memberships

- **MIET** – Member of the Institute of Engineering and Technology

References

- **Tim Rogers** *Group Leader, Cambridge Consultants Ltd.* Tim.Rogers@cambridgeconsultants.com
- **Dr Sara Kalvala.** *Associate Professor, University of Warwick.* Sara.Kalvala@warwick.ac.uk

When I am not pursuing technical interests, I am a keen rower, cyclist and self-taught pianist.