

# Ryan Suchocki — Curriculum Vitæ

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

[www.suchocki.co.uk](http://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)<br>Hills Road Sixth Form College, Cambridge.        |
| 2004–2009 | GCSEs in Mathematics, Sciences, English, Languages and Music. (7×A*, 4×A)<br>Self-taught Statistics GCSE. FSMQ in Advanced Mathematics. |

## Employment

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| June 2018 –              | <b>Senior Engineer (Embedded Software) — Cambridge Consultants Ltd</b><br>After eight months at Cambridge Consultants, having demonstrated exceptional performance, team work and rapid delivery of commercial impact to our clients, I was promoted to the role of Senior Engineer.  |
| Oct' 2017 –<br>June 2018 | <b>Software Engineer (Embedded Software) — Cambridge Consultants Ltd</b><br>Working as an Embedded Software Engineer within the Wireless and Digital Services division, I focussed on solving complex low-level bugs in satellite data terminals, often working at the software/hardware/theory boundary. Through this role, I have developed a considerable knowledge of deeply embedded systems, RF engineering, Real-Time Operating Systems and Wireless software stacks in general. |

## Experience

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| 2015–2016 | <b>Freelance Automotive Engineer</b><br>Having successfully built a kit-car in my spare time, I was engaged to consult and work on a bespoke replica car project. I was responsible for completing the assembly of the car, overcoming various engineering challenges by sourcing and adapting parts, as well as designing and fabricating custom parts, working towards road-worthiness and eventually exhibiting at a prestigious car show.  |
| 2007–2011 | <b>Freelance Web Design &amp; IT consulting</b><br>Occasionally developing websites and providing IT consulting on a freelance basis. Examples include an e-commerce website for a small company manufacturing glassware from recycled bottles, and providing on-site IT support for a small company (Salice UK Ltd), whilst consulting on modernisation of the legacy infrastructure and accounting systems.  |
| 2007–2011 | <b>Audio/Visual Technician — Bar Hill Church Centre</b><br>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 | <b>DeutscheBank DBCampus winning team</b><br>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 | <b>School Award for English Language</b><br>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". I have maintained this dedication to the precise and effective use of language throughout my education and career.  |

## 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

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