

Ryan Suchocki — Curriculum Vitæ

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Embedded Software Engineer with experience in low power wireless systems including Low Earth orbit satellite networks.

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. |

Experience

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| Dec' 2020 – | Principal Engineer (Embedded Software) — Cambridge Consultants Ltd After three years at Cambridge Consultants I was promoted to the role of Principal Engineer. |
| June 2018 – Dec' 2020 | Senior Engineer (Embedded Software) — Cambridge Consultants Ltd 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 – June 2018 | Software Engineer (Embedded Software) — Cambridge Consultants Ltd 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. |
| 2015–2016 | Freelance Automotive Engineer, Web Design & IT consulting ... |

Publications

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

- Professional expertise in C and in Python
- Academic expertise in Functional Programming languages and their compilation
- Digital and Analogue electronics design, schematic and PCB layout
- RF engineering (Full UK Amateur Radio License)
- Linux (daily user), SVN, Git, Bamboo and GitLab CI
- Mechanical engineering (especially automotive); Practical skills including machining and welding

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