

Edmund Goodman

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EDUCATION

University of Warwick & Apple Inc. <i>Computer Science BSc (Hons) with intercalated year in industry; Grades: 80.8%, 78.4%</i>	Sept. 2020 – Jun. 2024 <i>Coventry & St Albans, UK</i>
The Perse Sixth Form <i>Academic scholarship; A-levels in Maths (D2, eq. A*), Further Maths (D3, eq. A*/A), Physics (D1, eq. high A*), and Computer Science (A*)</i>	Sept. 2018 – Jun. 2020 <i>Cambridge, UK</i>

EXPERIENCE

Academic Coordinator University of Warwick Computing Society • Organise and run academic events including technical and industry talks, introductory programming courses, workshops, and revision sessions, for example delivering a talk introducing <code>git</code> to new students.	Sept. 2023 – Jun. 2024
CAD Design Verification Intern Apple Inc. • Intercalated year in industry from my degree at the UK Design Centre for Apple Silicon in St Albans. • Built tools and infrastructure for the design and design verification of future Apple hardware.	Jul. 2022 – Jun. 2023
iGEM Team Member University of Warwick iGEM team • Lead software for the international gold medal winning Warwick team for the iGEM synthetic biology competition. • Designed and implemented a stochastic model of the spread of antibiotic resistant pathogens which was nominated for best model (2021.igem.org/Team:Warwick/Model); created the wiki website showcasing the team's work.	Feb. 2021 – Sept. 2021
Software Engineering Intern HUBER+SUHNER Polatis • Updated <code>python</code> for fibre-optic switch test harnesses; refactored VBA backend of a corporate planning spreadsheet.	Jul. 2020 – Sept. 2020

PROJECTS

Computer Science Revision Guide • Co-founded and administrated an open source revision resource (warwick.guide/) for the first year Warwick computer science course, used by over 100 students, and with contributions from over 25. • Managed pull requests and issues following open source best practices, communicated with the university to ensure the project was acceptable, and contributed to the notes for every module I took.	Apr. 2021 – Jul. 2021
Engineering Education Scheme • Lead the software aspect of the school “Engineering Education Scheme” entry, building an autonomous tennis ball collecting <code>robot</code> to the help sports teachers. (https://github.com/EdmundGoodman/EES) • Implemented first principles image recognition for tennis balls, and wrote a search algorithm to collect them, along with contributing to the hardware aspect, by manufacturing parts of the shell, battery, and flywheel mountings.	Sept. 2018 – Apr. 2019
Caius College Engineering Essay Prize • Awarded 1st place in the Caius College engineering essay contest, with an entry titled “Powering the UK’s electricity supply - distributed systems to enhance the viability of renewable power”. (www.cai.cam.ac.uk/news/winners-...)	May. 2019 – Sept. 2019

ACHIEVEMENTS

Music: Trinity Guildhall Grade 8 Trumpet, ABRSM Grade 7 Singing, Pro Corda national chamber music finalist (trumpet dectet), previous head chorister of Jesus College Choir.

Cyber security: Finalist to the “Elite” phase in 2017-19 of Cyber Discovery. In 2018 from ~30,000 I was one of ~180 selected for the SANS course SEC504: “Hacker Tools, Techniques, Exploits, and Incident Handling”, and it’s associated GIAC certification. In 2019 from ~70,000 I was one of ~240 selected for FOR500: “Windows Forensic Analysis”.

Gold Crest award, and Gold level industrial cadet: Awarded following completing the above EES project.

Cadet Sergeant, Air Cadet Leadership Course graduate: Held responsibility over other cadets, and was one of ~240 each year to graduate a demanding week long course at RAF Cranwell teaching practical leadership skills.