

Edmund Goodman

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EDUCATION

University of Warwick

Computer Science BSc (Hons) with intercalated year at Apple Inc.

Grades: 80.8% (first year), 78.4% (second year)

The Perse Sixth Form

Academic scholarship; A-levels in Maths (D2, eq. A), Further Maths (D3, eq. A*/A),*

Physics (D1, eq. high A), and Computer Science (A*)*

Sept. 2020 – Jun. 2024

Coventry & St Albans, UK

Sept. 2018 – Jun. 2020

Cambridge, UK

EMPLOYMENT

Apple Inc. | CAD Design Verification Intern

Jul. 2022 – Jun. 2023

- Intercalated year in industry at the UK Design Centre for Apple Silicon in St Albans.
- Built software tools and infrastructure for the design and design verification of computer hardware.

HUBER+SUHNER Polatis | Software Engineering Intern

Jul. 2020 – Sept. 2020

- Performed and resolved errors introduced by a major version bump of `python` for fibre-optic switch test harnesses.
- Refactored the VBA backend of a corporate planning spreadsheet.

EXPERIENCE

University of Warwick Computing Society | Academic Coordinator

Sept. 2023 – Jun. 2024

- Responsible for organising and delivering technical and industry talks, introductory workshops, and revision sessions – including `git` Good, CS260 algorithms, and award-winning The Mathematics of Lasagne.

University of Warwick iGEM team | iGEM Team Member

Feb. 2021 – Sept. 2021

- Led 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), and created the wiki website showcasing the team's work.

PROJECTS

Computer Science Revision Guide

Apr. 2021 – Jul. 2021

- Co-created and administrated an open source revision resource (warwick.guide/) for the first year Warwick computer science course, used by over one hundred students, and with contributions from over twenty-five.
- 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.

Engineering Education Scheme

Sept. 2018 – Apr. 2019

- Lead the software aspect of the school "Engineering Education Scheme" entry, building an autonomous tennis ball collecting robot to the help sports teachers. (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.

Caius College Engineering Essay Prize

May. 2019 – Sept. 2019

- 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-...)

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.