

# Edmund Goodman

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## EDUCATION

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### University of Warwick | Apple Inc.

*Computer Science BSc (Hons) with intercalated year in industry; Grades: 80.8%, 78.4%*

### 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

## EXPERIENCE

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### Academic Coordinator | University of Warwick Computing Society

Sept. 2023 – Jun. 2024

- Organise and run academic events including technical and industry talks, introductory programming courses, workshops, and revision sessions, for example delivering a talk introducing `git` to new students.

### CAD Design Verification Intern | Apple Inc.

Jul. 2022 – Jun. 2023

- 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.

### iGEM Team Member | University of Warwick iGEM team

Feb. 2021 – Sept. 2021

- 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](https://2021.igem.org/Team:Warwick/Model)); created the wiki website showcasing the team's work.

### Software Engineering Intern | HUBER+SUHNER Polatis

Jul. 2020 – Sept. 2020

- Updated Python for fibre-optic switch test harnesses; refactored VBA backend of a corporate planning spreadsheet.

## PROJECTS

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### Computer Science Revision Guide

Apr. 2021 – Jul. 2021

- Co-founded and administrated an open source revision resource ([warwick.guide/](https://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.

### 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. (<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.

### 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-...](https://www.cai.cam.ac.uk/news/winners-...))

## ACHIEVEMENTS

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**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 Discovery:** 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