Edmund Goodman

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EDUCATION

University of Warwick | Apple Inc.   Sept. 2020 – Jun. 2024
Computer Science BSc (Hons) with intercalated year in industry; Grades: 80.8%,78.4%   *Coventry & St Albans, UK*

The Perse Sixth Form   Sept. 2018 – Jun. 2020
Academic scholarship; A-levels in Maths, Further Maths, Physics, and Computer Science   *Cambridge, UK*

EXPERIENCE

Academic Coordinator   Sept. 2023 – Jun. 2024
University of Warwick Computing Society   *Coventry, UK*
- Organise and run academic events, including technical and industry talks, introductory programming courses, workshops, and revision sessions.

CAD Design Verification Intern   Jul. 2022 – Jun. 2023
Apple Inc.   *St Albans, UK*
- Built tools and infrastructure for the design and design verification of Apple Silicon.

iGEM Team Member   Feb. 2021 – Sept. 2021
University of Warwick iGEM team   *Coventry, UK*
- Lead the software aspect of the international gold medal winning 2021 Warwick team for the "International Genetically Engineered Machine" synthetic biology competition.
- Designed and implemented a stochastic model of the spread of antibiotic resistant pathogens which was nominated for best model, and created the wiki website showcasing the team's work.

Software Engineering Intern   Jul. 2020 – Sept. 2020
HUBER+SUHNER Polatis   *Cambridge, UK*
- Updated a testing harness for fibre-optic switches from Python 2 to Python 3, refactored the VBA backend of a corporate planning Excel spreadsheet, and wrote a Java implementation of NETCONF call home within the open source ONOS project.

PROJECTS

Computer Science Revision Guide   Apr. 2021 – Jul. 2021
- Co-founded and administrated an open source revision resource 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.
- 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".

ACHEIVEMENTS

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