Edmund Goodman

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Summary

I am a student who enjoys playing music, climbing, and (unsurprisingly) computer science.
I am interested and have experience in cyber security, networking, and robotics, and am looking to further my knowledge in those subjects. Find out more about what I've done on my GitHub: https://github.com/EdmundGoodman

Experience

Software Engineer Intern
HUBER+SUHNER Polatis
Jul 2020 - Sep 2020 (3 months)
I updated a testing harness for fibre optic switches from python2 to python3, refactored the VBA backend of an excel spreadsheet used for corporate planning, created visual representations for the aforementioned planning data, and wrote a java implementation of NETCONF call home (https://tools.ietf.org/html/rfc8071) for the open source ONOS project.

Software Engineering Work Experience
Argon Design Ltd
2017 - 2017 (1 year)
I refactored and redesigned an information display board, converting a monolithic file into a series of microservices running with a python LAMP server, in order to serve the updated UI.

Head Chorister
Jesus College Choir
Sep 2014 - Sep 2015 (1 year 1 month)
I lead around twenty choristers and probationers aging from six to fourteen singing in services and concerts, helping resolve issues before they grew to the extent they needed to be handled by the Director of Music, and recorded a solo part on the CD "Byrd / Britten".

Chorister
Jesus College Choir
Sep 2011 - Sep 2014 (3 years 1 month)
I sung in choral evensongs twice a week in the college chapel, performed in concerts of choral works, for example the St Matthew and St John passions, went on international tours to France, Germany, and Switzerland, and performed on CD recordings with the choir.

Probationer
Jesus College Choir
Sep 2008 - Sep 2011 (3 years 1 month)

Education

University of Warwick

Computer Science (MEng), Computer Science

2020 - 2024

The Perse Sixth Form

A-levels

2018 - 2020

Academic Scholarship

Physics (D1 eq. high A*), A-level Computer Science (A*), Pre-U Maths (D2 eq. A*), and Further Maths (D3 eq. A*/A)

The Perse School

GCSEs

2009 - 2018

GCSEs in Mathematics (9), Physics (9), Biology (9), English Language (9), English Literature (8), Chemistry (A*), Computer Science (A*), Design & Technology (A*), French (A*), History (A*), Music (A*), a HPQ on computer security protocols (A*), and a Free Standing Maths Qualification (A - the highest grade)

Skills

Computer Science • Linux • GIT • Software Development • Microsoft Excel • Python (Programming Language) • Bash • GitHub • Windows • Ubuntu

Honors & Awards

Caius college engineering essay contest - Caius College Cambridge

Sep 2019

I was 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".

I outlined a proposal for addressing a major issue with renewable power sources such as wind and solar farms - the lack of a reliable power output, through a distributed system employing energy sinks such as electric car batteries, and installations like the Dinorwig power storage station.

Gold Crest Award - Crest Awards

2019

I led the software aspect of a school "Engineering Education Scheme" entry, where we built an autonomous tennis ball collecting robot, identifying balls from webcam images, and interfacing with motors collect them, and received gold awards from both CREST and Industrial Cadets.

The source code for the project is available on my GitHub (https://github.com/EdmundGoodman/EES)

Air Cadet Leadership Course - Royal Air Force Air Cadets

I passed the Air Cadet Leadership Course at RAF Cranwell. This intensive course focussed on teaching teamwork, management, and leadership. I learned how to plan an exercise, communicate effectively, and supervise a team of nine other cadets.

Gold Level Industrial Cadet - Industrial Cadets

2019

Academic Scholarship - The Perse Sixth Form

Sep 2018