

Frederick Benjamin Woodruff

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WORK

Deloitte

Assistant Manager (September 2020 -)

Senior Associate (September 2019 - September 2020)

Audit Associate (September 2018 - September 2019)

I passed 11 ACA exams.

I am auditing the FY22 accounts for Babcock International Group with full security clearance.

I audited the FY18 and FY19 accounts for Anglo American.

I have been auditing many smaller clients including I-Pulse and CGN.

Summer jobs

Maths, chemistry and physics tutor at The Fulham Study (4 weeks in 2018)

Summer intern at Stuart Mitchell Capital (4 weeks in 2014)

Barman at the Rose and Crown Pub Chelsea (4 weeks in 2014)

Catering staff for At Your Service (3 months between 2012 and 2014)

Recipe taster at Appetito (1 week in 2009)

EDUCATION

Durham University

MPhys Physics 2:1

Winchester College

Physics and Chemistry 'Pre-U' qualification (D1 and D2 respectively)

Maths and Further Maths 'A-level' qualification (A* and A respectively)

Full UK driving licence

INTERESTS

Sport

I cycled across Canada covering 4300 miles. I cycled from London to Tromsø covering 2100 miles.

I rowed for University College Durham, Collingwood College Durham, and at Winchester College.

Software

<https://github.com/fwoodruff>

Projects:

- Self contained HTTPS server with no external libraries

 - This required me to demonstrate a complete understanding of modern cryptography.

 - I handle malicious user input.

 - I have implemented TLS 1.2 and HTTPS/1.1 protocols.

 - The server is running on my Raspberry Pi at <https://freddiewoodruff.co.uk>.

- I have written a neural network, again from scratch, with a discussion of the mathematics used.

- I have written a chess game with a GUI and AI.

- I have written an n-body gravity and an FDTD electromagnetism physics simulations.

Books studied:

- C++ Concurrency In Action - Anthony Williams

- Effective Modern C++ - Scott Meyers

- Advanced Java - Andriy Redko

University Societies

DUCA president

Music

Grade 8 piano; I play daily.