

Callum Rhys Tilbury

Edinburgh – United Kingdom

✉ callum@tilbury.co.za • 🌐 callum.tilbury.co.za • in CallumTilbury • 📺 callumtilbury

Education

University of Edinburgh

MSc Artificial Intelligence

Fully funded by the Skye Foundation scholarship

Edinburgh, Scotland

2021–

University of Cape Town

BSc(Eng) Electrical & Computer Engineering, Cumulative GPA: 91.81%

Class Rank: 2nd; Faculty Rank: 2nd

Cape Town, South Africa

2017–2020

Fish Hoek High School

National Senior Certificate, Aggregate: 95%

Class Rank: 1st; District Rank: 2nd

Cape Town, South Africa

2012–2016

Experience

Software Development Engineer

Peralex Electronics

C++ developer in Digital Signal Processing team, working on various radio receiver products.

Cape Town, South Africa

Feb. 21–July 21

Tutor

UCT Dept. of Electrical Engineering

Responsibilities included leading tutorial sessions, assisting students with problem sets, the invigilation- and marking of tests.

Cape Town, South Africa

Feb. 20–Nov. 20; July 19–Oct. 19

Vacation Work Student

Peralex Electronics

Worked on several miscellaneous projects, mostly involving software development in C++, Julia, MATLAB, and Python.

Cape Town, South Africa

Dec. 19–Jan. 20; Dec. 17–Jan. 18

Awards & Recognitions

University

- > **Siemens Prize:** for submitting the best thesis (2020)
- > **Peralex Award:** Top Mark in EEE4120F (2020)
- > **Bain Merit Award:** 2nd Prize, 3rd Year (2019)
- > **Allan Gray Orbis Foundation:** Fellowship (2019-present)
- > **Klaus-Jürgen Bathe Leadership Scholarship** (2019-2020)
- > **Twamley December Scholarship:** 1st Prize, 1st Year (2017)
- > **Dean's Merit List** (2017-2020)
- > **Faculty Scholarship** (2017-2020)
- > **Class Medals:** EEE1006F, CSC1016S (2017)

School

- > **Dux Litterarum** (2013-2016)
- > **Head Student** (2016)
- > **Ubique Cup for Service** (2016)
- > **Past Pupils' Association Trophy** (2016)
- > **Academic Honours** (2015, 2016)
- > **Film & Photographic Club:** Chairperson (2014-2016)
- > **1st XI Cricket Team** (2014-2016)
- > **Best Speakers Competition:** 2nd Place (2016)

Skills

Programming Languages: C/C++, MATLAB/Octave, Java, Python, Julia, MySQL, Bash

Software Tools: L^AT_EX, Markdown, SPICE, Git, SVN, Adobe Photoshop, Adobe Lightroom, Microsoft Office, Inkscape

Soft skills: Leadership, Peer Mentorship, Public Speaking

Interests & Hobbies

Running & Hiking: Enjoyer of the road & lover of the trails; avid parkrunner & volunteer

Reading: Classical fiction; modern non-fiction, including popular science and philosophy

Photography & Design: Portraits, weddings, editing, print design, 35mm film photography

Music: Acoustic guitar, ukulele, singing, songwriting, digital-audio recording, piano

Podcasts: Social democracy, personal financial wellness, media criticism, entrepreneurship

References available on request