



tommo.page

# Thomas Chung



Edinburgh



+44 7483 215270



thomas@ahcl.co.uk



m.me/tc.tomo

## Education



### Edinburgh University – Informatics (MInf) (2019–Present)

- > > 80% average marks in quality & readability of code and documentation.

Functional Programming in Haskell	Formal Logic	Linear Algebra
OOP & Software Development	Calculus	Robotics & Computer Vision
Creative Coding for Music	Computer Security	Operating Systems
Programming Language Design	Mandarin Chinese	Microprocessor Architecture
Data Science & Statistics	Cognitive Science	Algorithms & Data Structures
Discrete Maths & Probability	Metaheuristic algorithms	Internet-scale computing



### Arbroath High School (2013–2019)

- > Proxime Accessit 2018

## Employment



### Inkwell PR – Full stack developer (December 2023 – Present)

- > Helping deliver a MVP for an AI writing assistant startup
- > Implementing payment and subscription services into a webapp



### PlayerData – Firmware engineering intern (June 2023 – September 2023)

- > Developing performant driver code for low power sports wearables
- > Writing hardware emulators for testing and validation of driver code



### Edinburgh University Gymnastics – Men's artistic coach (May 2023– Present)



### Costa Coffee – Barista (September 2022 – June 2023)



Artisan Gelato  
(June 2022)



Nairn's Oatcakes  
(July 2021)



Grant Westfield  
(August 2021)



Wetherspoons  
(2018 – 2019)

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## Experience & Projects

### University projects

#### High performance metaheuristic algorithms using TensorFlow & NumPy

- › I used TensorFlow and vectorised NumPy operations to implement a high-performance particle swarm optimiser and puzzle solving genetic algorithm.

#### Edinburgh cycle share scheme – data analysis and presentation

- › I analysed data from Edinburgh's cycle rental scheme using Python libraries and visualization tools, a resulting visualisation briefly became the most popular post on the [dataisbeautiful](https://www.reddit.com/r/dataisbeautiful/) subreddit. ([redd.it/mrbvvt](https://www.reddit.com/r/dataisbeautiful/comments/mrbvvt/))

#### Tenuto; Robot piano tutor

- › Developed hardware and control software for a robotic piano tutor concept, interfacing with Bluetooth LE MIDI and utilising wireless chips, microcontrollers, and high-power transistors to drive a solenoid array, with variable key velocity using PWM signalling.
- › Key player in a large team, our product demo was rated the best among 23 teams by a panel of technology and business experts; I contributed practical expertise that prevented critical delays and provided ideas that guided the product design.

### Hobby projects

#### SendEvent app – NLP assisted events and invitations

- › Uses a natural language processing framework to turn plain English descriptions of events like “Ice cream party on wed afternoon 17 july” into shareable formats.

#### Wireless measurement device for understanding impact forces on gymnasts

- › Created a wearable harness with inertial measurement hardware, collected data over Bluetooth using Python API
- › Analysis and visualisation to gain insights into physical preparation.

#### Training clock for Edinburgh university gymnastics club – ([clock.tommo.page](https://clock.tommo.page/))

- › Built using react and deployed using firebase
- › Synchronised to a central calendar and displays upcoming social/competitive events

### High school projects

#### Scottish Baccalaureate in STEM – wireless communication using visible light

- › Highest Baccalaureate grade for the Angus district (2019)
- › Learned embedded programming, electronics, signal processing and telecommunications and developed a relay chat proof of concept in an independent research project

## Volunteering & Non-technical Involvement

### Gymnastics

#### Edinburgh University Gymnastics Club – Social and fundraising coordinator

- › Planning and organising social activities and fundraising initiatives, collaborating with other sports clubs at the university
- › Working as a team in a diverse group of committee, coaches, and club members

#### Edinburgh University Gymnastics Club – Lead performance training coach

- › Organising and running a training programme
- › Coordinating with the university's sports performance experts to improve gymnast preparation