Kurt Martin-Brown | CV

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Education

- **Imperial College London** — **London, UK**
  MEng Electrical Electronic Engineering — *September 2018 - present*
  - *3rd Year Modules:* Analogue Intergrated Circuits and Systems, High Level Programming, Biomedical Electronics
  - *2nd Year Modules:* Algorithms and Data Structures, Control Engineering, Analogue Electronics 2
  - *Upper Second Degree Expected*
- **Woodhouse College/Kelmscott Secondary School** — **London, UK**
  A-levels/GCSE — *September 2012 - May 2017*
  - *A*-level: Mathematics(A*), Chemistry(A*), Physics(A)
  - GCSE: 10 GCSE's(A*-B), Mathematics(A*), English Language(B)

Work Experience

- **Kouo** — **London, England**
  Hardware development intern — *July 2020 - September 2020*
  - Designed, implemented and delivered a stand alone project to denoise signal based on additional sensory inputs which reduces noise in the signal by 40%.
  - Honed time management and problem solving skills in fast paced startup environment, overcoming increased independency due to Covid-19.
  - Tested a range of heart rate sensors and analysed the data to obtain bpm and respiration rate. Building on python coding and signal processing skills.
  - Gained skills in market analysis through a project involving market research and up keep of an online store.
- **Starbucks** — **London, England**
  Barista — *June 2016 - October 2018*
  - Improved communication and conflict resolution skills handling customer complaints.
  - Demonstrated strong team working skills coordinating with my team to ensure smooth running of store in a high pace work environment.

Projects

- **Rover**
  - A group project where the task was to build a rover with a range of sensors to identify a number of lizards based on the signals they outputted.
  - Responsibilities included motor circuit and EM wave sensor. Leading on developing sensory approach and motor integration developed project management skills.
  - Improved technical skills in signal processing through prototyping and testing EM wave sensor.
- **Pill dispenser project**
  - A group project in which we were asked to solve a socioeconomic problem, my group chose 'poorly followed prescriptions'.
  - Designed and tested ultrasound sensor system. Developed debugging skills.
  - Worked on code for motors. Improved C++ coding skills writing code to power motors through an Arduino.
- **Issie project**
  - A group project in which we were set the task of coding a replacement software on which the first years could learn digital electronics.
  - I coded the symbols and the positioning of their ports. Developed integration skills through working in a team.
  - Improved F coding skills writing code throughout the project.
- **Minexx project**
  - A group project in which we created a security token and marketing website for Minexx'.
  - I worked on a leaflet and presentation outlining Minexx's work and our part within it. Developed marketing and pitching skills.
  - Worked on code website. Improved HTML and CSS coding skills.

Extra Curricular activities

- **President/treasurer for the Jiu Jitsu club**
  - Strengthened leadership/communication skills, with organisation of club for national competitions events.
  - Handled budget of £10k, indicative of trust and responsibility.
  - Demonstrated strong time management skills managing duties alongside university.
- **Volunteering at the Epping Forest conservation group**
  - Volunteered at this conservation group where I cleared foreign overgrowth so indigenous species can grow through, showing action oriented mindset to follow up on desire for impact.

Skills

Programming Languages	C++, MATLAB , Assembly, Verilog, Python
Software & Tools	LaTeX, Microsoft Office Suite
Languages	English (Native)