**MICHAEL HICKMAN**

+44 74729 29555 | michael.lance.hickman@gmail.com | Flat 4, 17-19 Courtfield Rd, London, SW7 4DA

**EDUCATION**

**Bristol University — MSc Wireless Communications and Signal Processing** **(2019 - 2020)**

Predicted: Merit

|  |  |
| --- | --- |
| Modules: | Coding Theory | Communication Systems | Digital Filters and Spectral Analysis | Mobile Communications | Radio Frequency Engineering | Antennas |  Advanced Mobile Radio Techniques | Broadband Wireless Communication |  Digital Signal Processing Systems | Networking Protocol Principals |

**Newcastle University — BEng Electrical and Electronic Engineering** **(2016 - 2019)**

Achieved: 2.1 (Higher Second-Class Honours)

|  |  |
| --- | --- |
| Modules:  Scholarship: | Telecommunication Networks | Digital Electronics | Accounting, Finance and Law |  Computer Networks | Database Technology | Digital Signal Processing |  School of Achievement EEE Scholarship, Awarded 2016. |

**The British School AL Khubairat — Abu Dhabi, United Arab Emirates (2013 - 2016)**

Achieved Three A Levels Graded A - B

Subjects: Mathematics A | Physics A | Chemistry B

Achieved Ten GCSE’s Graded A\* - C

Subjects: Mathematics | Science | Additional Science | ICT | English Language |

English Literature | Business Studies | Music | French | Geography

**WORK EXPERIENCE AND PROJECTS**

**Bright Network Internship Experience (2020)**

Created an in-depth plan for the build, testing and release of facial verification into a customer banking app sign-in process using skills developed from attending virtual lectures. These were presented by key representatives from world-leading firms Google, Bloomberg and Vodafone.

Experience: Project Management | Market Research | Agile Management

**Design a Trading Robot in Python (2019)**

Developed an automated trading robot that executes a strategy by detecting bullish candlestick patterns. The Coinbase Pro WebSocket feed provided the real-time data needed to successfully trade cryptocurrency.

Experience: Algorithm Design | Finance Technology | Design and Test

**Bluetooth Flash Memory Card (2019)**

Designed and implemented a flash controller on an FPGA in VHDL capable of transmitting data using a Bluetooth 2.0 module for wireless serial communication. The system could read, write and erase data successfully without timing or transmission errors.

Experience: Simulation and Debugging | System Analysis | Independent Study

**Inductive Self Driving Buggy (2018)**

Designed and developed C++ software for the Proportional Integral (PI) motor speed and steering control system. Carried out fault finding on the inductive analogue sensing and amplification circuit. The buggy completed four track laps in one minute.

Experience: Interpersonal Communication | Dynamic Team Work | Control Engineering

**VOLUNTEERING**

**Football Coach, ProActive — Abu Dhabi, United Arab Emirates (2016)**

Delivered weekly football coaching to teams of varied ages and levels.

**Football Referee, Daman — Abu Dhabi, United Arab Emirates (2016)**

Cooperated with Daman to referee in a charity football tournament whose goal is to fight childhood obesity.

**Residential Project, Anou Grandi — Mauritius (2016)**

Painted and constructed walls for an underfunded special needs school.

**SKILLS, LANGUAGES AND CERTIFICATES**

**Programming Languages and Technology**

Python | C++ | SQL | MATLAB | VHDL | Assembly

**Certificates**

Bloomberg Market Concepts | Analyzing Data with Python | Technology Internship Experience | Complete Python Bootcamp | Duke of Edinburgh Gold Award | PADI Open Water Diver’s License | Coral Reef Conservation License | Piano Grade 5

**Interests**

Boxing | Guitar | Running