

# Cameron Bromley CV

11 Aldwinians Close, Audenshaw, Manchester – M34 5JZ

✉ cameronbromley8@gmail.com

☎ 07954-577-463

## EDUCATION

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### University of Sheffield

*MPhys in Theoretical Physics, Grade: 2:1*

**Sheffield**

*Graduated: July 2021*

### University of Sheffield

*BSc in Theoretical Physics, Grade: 2:1*

**Sheffield**

*Graduated: July 2020*

### Audenshaw Sixth Form

*Physics (A), Maths (B), Chemistry (B), Extended Project (A)*

**Manchester**

*Graduated: August 2017*

### Audenshaw School

*11 GCSE's including Maths and English, all A\*-B grades achieved*

**Manchester**

*Graduated: August 2015*

## EXPERIENCE

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### Kingdom Houses

*Maintenance*

**London**

*July 2016 – September 2016*

- Carrying out a multitude of tasks in the taking over of a new property such as: cosmetic work i.e. painting, garden work i.e. weeding, and other general functions such as building furniture. In this position I developed skills in task scheduling and prioritisation.

### University of Sheffield

*President of Poker Society*

**Sheffield**

*September 2019 – June 2020*

- Setting up and running a variety of poker tournaments every Thursday, keeping account of the PokerSoc funds, resolving issues occurring between players during said tournament.

### McDonald's

*Crew member*

**Manchester**

*August 2015 – September 2018*

- Involved in all kitchen aspects, including food preparation and hygiene maintenance. In addition to kitchen work I also worked extensively on the customer service side. My time at McDonald's taught me how to complete tasks in a relatively high stress environment, whilst focusing on the customer at hand.

## ACADEMIC PROJECTS

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### Masters Thesis

*September 2020 - June 2021*

- Research project in quantum metrology with a particular interest in quantum fisher estimation. Undertaking this extensive project allowed for development in various skills such as: independent working, programming, time management amongst others.

### Bachelors Dissertation

*September 2019 – January 2020*

- Research project in the development of neutrino factories. Completing this research furthered my knowledge of neutrino physics whilst honing my programming skills in particular.

### Extended Project

*September 2016 – June 2017*

- An article in how the discovery of neutrinos has impacted modern physics. The EPQ was my first major project in my academic history, where I first learnt key writing principles within academia.

## SKILLS PROFILE

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- **Critical thinking and problem solving:** My academic studies have been the main source in expanding my ability to critically analyse in a given situation. The assignments and exams that I have completed thus far at university have mainly driven this. Poker has also been a great tool in the development of my ability to think logically and carry out mental arithmetic where needed.

- **Teamwork and leadership:** My ability to work as part of a team has been greatly improved upon through group work at university. An example of a circumstance in which I have learnt leadership skills is that of running the Poker Society every Thursday, an event in which I had to delegate tasks appropriately to the other positions of authority within the society. My time as a member of a band taught me diplomacy in a paradigm where creative discrepancies are frequent.
- **Communication and interpersonal skills:** Through working in the food service industry, I have developed the ability to communicate confidently and effectively to both employers and customers in various circumstances. During my time in high school I filled the role senior prefect, a position in which I had to often liaise between staff and students. Within the same period, I was also a peer mentor, where I frequently met with disadvantaged students in the lower year groups to help guide them through the tribulations they were encountering, wherever they may have occurred.
- **Time management and adaptability:** Throughout my first year of studies at University, I maintained a part time job without it hindering my ability to achieve high results. Although managing my time between work commitments and studying was testing, I efficiently prioritised thus enabling me to succeed in both.

## TECHNICAL SKILLS

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- **Research:** Throughout my time at university I have become proficient in researching, particularly during my Masters degree, as the research project counted towards half of the credits.
- **Technical writing:** During university I have consistently improved my ability to produce reports and articles to a high standard, culminating in my Masters dissertation, for which I received a mark of 66%. Consequently, I have developed skills in L<sup>A</sup>T<sub>E</sub>X, a useful typesetting system in the preparation of reports.
- **Physics and mathematics:** In my time at university I have completed modules in: further quantum mechanics, advanced quantum mechanics, advanced particle physics, mathematical physics, analytical dynamics and classical field theory. Completion of these mathematically intense modules demonstrates my capacity to learn high level concepts.
- **Python:** I have some experience in programming in Python. Predominantly including the representation of data using Matplotlib, with some basic knowledge of algorithms.

## INTERESTS AND HOBBIES

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- I am an avid guitarist, having started at the age of 10 I have enjoyed playing guitar throughout the course of my life, highlights have been playing in the school jazz band, playing Manchester club academy multiple times as part of my former band, and playing rhythm and lead guitar for blues legend Victor Broux.
- Regular gym training is another hobby of mine as I find this a useful resource in helping to relieve stress and help maintain my physical and mental agility.
- Furthering the upkeep of my mental agility I have found poker to be a great way to both supplement problem-solving skills and money management.

## REFERENCES

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Available upon request.