

## PERSONAL SUMMARY

---

A committed and hard-working individual, who has a strong passion for computer science and mathematics. Proven written and verbal communication skills developed while working as a teaching assistant. Keen to develop further practical skills in software engineering specifically high performance computing and implementing data structures.

## EDUCATION

---

- **University of Bristol** Bristol, UK  
*Mathematics & Computer Science MEng* 2019 - 2023
  - **First year:** Passed with mark of 84 (First Class)
  - **Second year:** Passed with mark of 76 (First Class)
- **The Sixth Form College Farnborough** Farnborough, UK  
*A Levels: Mathematics A\*, Further Mathematics A\*, Computer Science A\*, Physics A\** 2017 - 2019
- **Weydon School** Farnham, UK  
*11 GCSEs A\*- A, including Maths and English Language* 2012 - 2017

## SKILLS

---

**Languages** Python, Java, C, Haskell, R, Javascript

**Technologies** Linux, Git, Github, Maven, SciKit-learn, Pytorch, OpenCV (Java)

## EXPERIENCE

---

- **Teaching Assistant** Bristol, UK  
*University of Bristol Computer Science Department* Sep 2021 - Present
  - Sole charge of teaching weekly problems classes to 2nd year Algorithms students
  - Supporting 2nd years studying Programming Languages & Computation with coding in Haskell and theory problems
- **Committee Member** Bristol, UK  
*University of Bristol Cycling Club* Mar 2020 - Present
  - Worked with others to organize and promote cycling events for University students
  - Contributing to club discussions on inclusivity within the sport
  - Helped to run club rides for members, complying with Covid rules, introducing new members to safe cycling in groups.
- **Volunteer** Farnham, UK  
*Phyllis Tuckwell Hospice Charity Donation Centre* Sep 2017 - Apr 2019
  - Accepted and managed donated items from customers
  - Judging the saleability of items selling and culling stagnant inventory
  - Suggested and implemented changes to improve the selection and quality of books displayed in the charity shop

## PROJECTS & COURSEWORK

---

- **3D Printing Post Slice DLP Supporter** github.com/spe-uob/3DPrinting  
*Analyse sliced 3D models for unsupported areas and insert supports for them*
  - Multi-threaded Java based application using OpenCV Libraries to process large files at high speeds
  - Developed within an agile team of 5 people, using git branching and merging to manage feature development
- **Data Analysis** github.com/JonathanMarriott/DataDrivenCS  
*Data Driven Computer Science Labs and Coursework*
  - Using Scikit-Learn and Pytorch libraries to implement maximum likelihood estimates, linear and non-linear least squares regression in a practical setting

## ACHIEVEMENTS & INTERESTS

---

**Duke of Edinburgh Gold, Silver & Bronze Awards** All Completed

**ITC Level 3 Outdoor First Aid** Qualified

**Road Cycling** Keen recreational cyclist who enjoys competing in time trial events

**Electric Guitar** Avid player for over 4 years