

# Samuel Brotherton | CV

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*Aim: To complete an internship over the summer of 2018 to develop industry experience in computational areas.*

Undergraduate Computing student. Passionate about problem solving, artificial intelligence and cloud networking, excels in a dynamic environment working as part of a team to solve complex issues. Values the importance of different cultures, having lived in New York for two years, and having spent a month in both Borneo and India on charity assignments.

## Previous Experience

- **Flight Sergeant, Cadet IC (In Charge)** **1414 Squadron (Crowborough)**  
*Air Training Corps* *September 2013 - Present*  
Organising, teaching and inspiring the next generation, taking an active leadership role within the squadron, and maintaining a presence within the community through volunteer work. Contribution recognised via a number of awards. Significant time expended, attending overseas and UK based camps, leading to limited work experience.
- **Star Explorer** **St Gregory's Catholic School**  
*A-Level Computing Project* *September 2016 - March 2017*  
An image analysis system which when star Absorption spectra's are inputted, an analysis of such yields a probable composition of the star, alongside the accuracy margin. Automation of the process of manual spectral analysis, as well as serving as a teaching tool to be used within chemistry and physics classrooms, focus on GUI, access rights and accessibility.
- **Lead Designer on the St Gregory's Bridge** **Goa, India**  
*Volunteer, Gerry Martin Foundation* *July 2016*  
Accounting for limited capital, time and manpower, I led a team of mathematicians in designing a 120ft suspension bridge, in a remote location in the Western Ghats, Goa, to connect villages. An iterative process was required; when our planned method faltered it was imperative we pulled through, returning to the drawing board, re-evaluating the options. Six months of design led to spending a month in Goa building it in very challenging conditions. It still stands today, after two monsoon seasons, and is testimony to our perseverance, patience and ingenuity, with the local community receiving significant value.

## Education

### Academic Qualifications.....

- **Imperial College London** **London**  
*Undergraduate, Computing (with Artificial Intelligence)* *2017–2020*
- **St Gregory's Catholic School Sixth Form** **Kent**  
*A Levels, Computing (A\*), Mathematics (A\*), Further Mathematics (A\*), Physics (A), Extended Project (B)* *2015–2017*
- **St Gregory's Catholic School** **Kent**  
*GCSEs, 3 A\*, 7 A grades* *2011–2015*
- **Seven Bridges Middle School** **NY, USA**  
*2009–2011*

## Languages and Technologies

Proficiency in Java, Haskell, LaTeX, Linux, Windows and C\*. \*(by Summer 2018)  
Git repository available upon request.

## References

Available upon request.