Nimit **Bakrania**
COMPUTER SCIENCE · STUDENT

☐ 07909655202 | ✉ nimit.bakr@gmail.com | ⌂ www.nimitbakrania.com | ⬚ nimitbakrania | ⬚ Nimit Bakrania

"Be the change that you want to see in the world."

Summary

I am diligent and ardent student who is determined to overcome challenges and is motivated by my pursuit for knowledge and opportunity to learn new things. Being proactive and ambitious has fuelled my desire to drive change, through my interpersonal skills, adaptability of character and ability to use analytical thinking to find creative solutions to complex problems in a methodical way. Always seeking the opportunity to progress my skills and broaden my horizons, I am compelled to lifelong learning, where the scope of leadership and collaboration are boundless.

Education   *2019-2022*
UCL - COMPUTER SCIENCE STUDENT   *Expected: First*
- Relevant Modules: OOP (C, Java, Python), Maths (Logic and Discrete Maths), Algorithms

Skills

Front-end: , Javascript

Programming: , C, Java, Haskel and Python

Other, Microsoft Office, UI and Web Design

Work Experience

Earthport PLC   *London*
INTERN   *Aug. 2018 - Sep. 2018*
- Learnt about the IT infrastructure of the company and projects being undertaken (e.g. risk analysis) and noted the problems that arose such as server issues and how they were dealt with.
- Gained the understanding that good communication and teamwork are key skills in the workplace.

Self-Employeed   *Hertfordshire*
PERSONAL TUTOR   *Sep. 2019 - Present*
- I was asked to help tutor GCSE Mathematics and Science to students as well as helping them complete their chosen projects; I met a variety of students and worked with each one to flesh out their ideas and put it into an accompanying documentation.
- Once the projects were complete, I taught them the theory side of their subjects; giving them a deeper understanding of the subject and the implications of it in the modern world.

St John's Preparatory and Senior School   *London*
TEACHING ASSISTANT   *September 2016 – September 2018*
- Taught Chess to multiple year groups to improve teaching skills and home in my own skills in the game.
- Acted as a assistant for Crest Award challenge at my school to indulge students in researching methods and methodology.

Cambridge   *Cambridge*
SHADOWING PROGRAM   *August 2019*
- Worked with lecturers and students alike to evaluate and improve the learning and student satisfaction of Mathematics.
- Gained an insight into how Mathematics is conveyed internationally, and improved my ability to research into greater depth.
- I gained skills in research and further confidence in working as part of a large team.

Projects

Tetris Autoplayer
PYTHON | ALGORITHMS
- Created a Tetris AI auto-player using a genetic algorithm.

FPGA Microprocessor
QUARTUS PRIME
- Built a simplified MIPS computer in a two-person team on an FPGA by creating schematic files using Intel Quartus Prime software.

Disparity Map
PYTHON | ALGORITHMS
- Generating a disparity map from a pair of images using a stereo matching dynamic programming algorithm.

FPGA Microprocessor

- Built a simplified MIPS computer in a two-person team on an FPGA by creating schematic files using Intel Quartus Prime software.