

RUBEN LOPES

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I am currently pursuing a bachelor's degree in Computer Science and have valuable experience in programming and development. With a deep-rooted interest and passion for computers and technology I aspire to pursue a career as a software developer. I really enjoy acquiring new skills and approaches not only from my field, but also from other domains and applying them to the work I do.

PERSONAL EXPERIENCE

UKRI - Science and Technology Facilities Council

COMPUTATIONAL SCIENTIST (*SUMMER PLACEMENT*)

June 2022 - September 2022

During the summer of 2022, I worked on the Sasview project at STFC. I was tasked with automating and improving parts of the software, which allowed me to gain hands-on experience with programming in C and Python. Additionally, I worked with software engineers and scientists worldwide, including developing and presenting ideas which further improving my teamwork and communication skills. My task specifically was to implement four significant features: Tabs for the UI, Batch calculating, 2D data slicing and calculating support for Pr, and Data Noise Reduction using SVD. This would significantly Improve the user's productivity.

- Gained valuable real-life experience in programming in C and Python.
- Use of Automated Testing and version control such as Git.
- Improved Planning, Presenting and Documentation skills.

Amazon Logistics

WAREHOUSE OPERATIVE

May 2021– August 2021

Upon working as a team member for Amazon in a fast-paced setting it has demonstrated that I can carry out tasks efficiently and effectively for an extended period of time whilst also ensuring that I consistently maintain high standard.

- Performed well in a time-sensitive environment which allowed me to improve upon my time-management and organisational skills.
- Improved cooperative skills as well as working well in a team to carry out a common goal effectively.

Wasdell Packaging Limited

WAREHOUSE OPERATIVE

May 2019– August 2019

I strengthened my organisational and communicational skills whilst also being able to fulfil the physical demands of the job throughout my time at Wasdell.

- Gained vital skills in self-management
- Was able to consistently work conscientiously

EDUCATION

University Of Reading - Bachelor's in computer Science

September 2021-Current

First Year: Upper Second-Class – 68%

Programming in C/C++ - This curriculum aided my learning of C and C++ as well as drastically improving my programming abilities. Furthermore, it enabled me to enhance and broaden my knowledge of Linux command and greatly helped me to use the version control tool git.

Mathematics and Computation helped me to strengthen my problem-solving abilities and allowed me to better understand the importance and use of mathematics. Throughout my placement at STFC, I consistently used the skills and knowledge which I gained from this module, in which, I managed to obtain an 85% grade.

Additionally, throughout my first year, I also studied Applications of Computer Science, Fundamentals of Computer Science, Software Engineering and Student Enterprise.

Second year: Currently in Progress

Some of the modules that I will be completing by the end of the academic year include Algorithms and Operating Systems, Compilers, Computer Architecture and Networking, Databases and Information Security, Programming in Java, Programming in Python for data science, Software System Design with UML and Service-Oriented System Architecture.

New College Swindon

September 2017- June 2021

GCSE (Maths, English, Physics, Chemistry and Biology) – 4 – 6

BTEC Level 3 In Computing – Distinction*, Distinction, Distinction (D*DD)

During my BTEC award in Computing, we undertook a variety of courseworks which helped me to deeply enhance my writing, coding, and designing abilities. Our lecturers also emphasised the use of best practises, which has substantially improved my work quality.

- Using Databases and SQL Queries
- The significance of cyber safety and security
- Improved my understanding of the Software Development Life Cycle.

KEY SKILLS

- Proficiency in using GNU/Linux, Windows Server
- Web Technologies HTML, CSS, SQL, and JavaScript
- Programming in java, C, C++, and Python
- Mathematical aptitude
- Problem-solving skills
- Working Knowledge of Virtualization using Oracle Virtual Box and containerization using Docker
- Knowledge of Software Development Life Cycle, Git and Testing
- Shell Scripting in Bash
- Electronics and Microcontroller

References available on request