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| L  T | Lewis  Taylor  Aspiring Software Engineer | |
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| Hatfield/Herts/United Kingdom | |  |
| GitHub: <https://github.com/loowpylew/University_Projects.git> | |  |
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PROFILE

Junior Software Engineer studying at the University of Hertfordshire (Software Engineering), currently finishing year 1 of study with rapidly developing skillset in penetration testing (Kali Linux/tools), python, c, c++, assembly language (CdM8 Processor) , Basics of HTML/CSS and JavaScript, coco IDE (Circuit simulator) using the relevant API’s and graphical user interfaces such as Visual Studio, Codeblocks, IntelliJ, Python IDE, Arduino IDE, Basic text editors, GitHub (Editing projects with other students on online repositories) and so forth with an ambition to extend further knowledge.

All of which have been used as tools on my creative and academic endeavors such as developing a cashier system to making a simple game using the turtle library i.e. hang-man, pong ect… (University Projects). Alongside these projects, I have developed a good understanding of the core principles that underlay the foundations of computer architecture and how the aggregation on various platforms from logic gates all the way to the how control unit, CPU, ALU, BUS, peripheral devices interact with one another. A project I am fond of is that of a challenge that the university set to the Engineering and Computer science department on building a mars rover which could circumnavigate over Mars’s surface autonomously.

SKILL SET

• Able to use Linux commands and Windows PowerShell effectively.

• Understanding of web servers and infrastructure.

• Strong ability to navigate across various IDLE’S such as: Visual Studio, Codeblocks, IntelliJ, Python IDE,

Arduino IDE, Basic text editors, GitHub etc …

• Experience in programming languages: Python, c, c++, assembly, JavaScript/CCS (Basic), HTML (Basic) and the

use of circuits to perform various functions (logismUH).

• Utilizing excellent interpersonal and communication skills, both verbally and in writing

• Working to time critical deadlines whilst remaining calm

EDUCATION

**Stanborough School (Specialist in Mathematics and Computing)**

2010 – 2015

6 GCSEs, grades B-C incl Maths, English and Science including 2 – 3 BTEC’s including Engineering.

**Oaklands College**

2015 – 2016

Level 3 BTEC diploma in Engineering – PPP

Involved various modules which were heavy in mathematics, engineering drawings, practical applications of engineering principles within the workshop, command-based programming etc…

2018 – 2019

**Access Diploma (Science) Higher education – DDD**

This diploma involved studying A – level material in Physics, chemistry, biology, and statistical mathematics. I am particularly proud of an experiment that I conducted for my research project which was focused in the area of Particle Physics where I created a ‘cloud chamber’ which allowed an observer to see alpha-particles emit from a tungsten rod passing through a vapor saturated atmosphere.

**University of Hertfordshire**

2019 – 2022/2023

• Currently studying Computer Science (Software Engineering) as a Full-time Student.

WORK EXPERIENCE

Currently in the process of looking for summer internships related to my degree to gain experience in the field other than my own and university related projects.

HOBBIES AND INTERESTS

* Playing guitar/Singing
* Wild camping
* Wild swimming
* Hiking
* Scuba diving
* Programming