**Seth Chihwa**

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**Professional summary**

As an enthusiastic and dedicated student at Lancaster University, I am committed to leveraging my skills and expertise to develop valuable and engaging programs. I am also a multidisciplinary individual who is constantly seeking new challenges and opportunities to grow. In fact, I am currently pursuing knowledge in finance and statistics to complement my technical skills.

**Education**

**BSc Computer Science** | **Lancaster University** | **Graduate 2025 June**

**Relevant modules Currently studying Skills**

Discrete mathematics -A Web development Java C/C++ Python ASM

Networking and databases A Mathematics MongoDB MySQL

Software engineering -A Finance Linux

**Projects**

**Luminous - Decentralised Social Media Application (**[**Repository**](https://github.com/schihwa/luminous)**)**

Decentralized social platform that offers private and public messaging, unique profiles and group chats

* Utilised figma and a flow chart to design program
* Utilised QtPy for GUI and sockets to build a proprietary server
* Utilised multiple threads to deliver data between the server and its users

**StoryCreator – Automatic Script to Subtitle (**[**Repository**](https://github.com/schihwa/StoryCreator)**)**

Converts written stories into audio and subtitles file then integrates it into videos with precise timings

* Utilised pyttsx3 for text to speech mp3 file and pydub to detect silences
* Utilised pysubs2 to create ssa file with timings based on pydub silences
* Took multiple data types to create a final video with subtitles and text to speech voice

**Musical Note Simulator (**[**Respository**](https://github.com/schihwa/MusicalNotes.git)**)**

A program created in assembly that simulates musical notation

* Utilised computer archtecture knowledge to create Musical notation program
* Used multiple algorithms to manipulate data in registers

**Additional Information**

**Interests** |Kickboxing, Cycling, Traveling, Finance

**Languages** |English (Native), German (studying)