

Gia Linh Nguyen

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github.com/Linh012

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PROJECTS AND TECHNICAL SKILLS

Programming languages: Python (proficient), Java (proficient), JS, Haskell, SQL, C/C++

- **Frameworks and Tools:** Git, HTML, CSS, Flask, Bootstrap, React

Twitter Video Downloader – Chrome extension (<https://github.com/Linh012/twitter-video-downloader>)

- Chrome add-on that allows users to download Twitter videos/gifs using a single click of a button
- Developed using JavaScript and utilises Twitter API to fetch media. Dynamically identifies tweets that contain videos/gifs and injects download buttons to those tweets.

Sorting Visualiser – React App (<https://github.com/Linh012/sorting-visualiser>)

- Visualises common sorting algorithms (Quick sort, Merge sort, Heap sort and Bubble sort)

Portfolio Tracker – Web Application (<https://github.com/Linh012/portfolio-tracker>)

- Web application powered by Flask, Python and SQLAlchemy
- Real-time data retrieved from Yahoo! Finance API which is processed and visualised using Bokeh
- Login/registration system implements Google's reCAPTCHA service

Conway's Game of Life implementation in Haskell (<https://github.com/Linh012/conways-game-of-life>)

- Uses Gloss library for simulation graphics

EDUCATION

2021 - [Expected Graduation Date: 2024]

University of Warwick, Computer Science BSc (Hons)

- **Relevant modules:** Programming for Computer Scientists, Mathematics for Computer Scientists I/II, Computer Organisations and Architecture, Design of Information Structures, Web Development Technologies, Functional Programming
- **Societies:** Computing Society, Warwick Maths Society, Warwick Finance Society

2015 - 2021

The English College in Prague, International Baccalaureate Diploma Programme (42/45 IB points)

- **Relevant subjects:** Higher Level Computer Science (7/7), Higher Level Mathematics (6/7), Higher Level Physics (7/7)
- **Mathematics Extended Essay** on the Diffie-Hellman key exchange (~4000 words)
 - o Grade achieved: A (highest grade)

Cambridge IGCSE Mathematics - A* (highest grade)

OTHER RELEVANT EXPERIENCE

20/04/2022 – 22/04/2022

Amazon Discover: Spring Technology Insights, UK

- Worked with other fellow programmers under a mentor on various technical workshops and coding challenges.
- Signed up and joined the Mentoring Program following the event.

06/04/2022 – 07/04/2022

Optiver Spring Technology Insight Days

- Worked on a Python market making bot for the Optibook competition (placed top 30 in a competition with a couple hundred participants)

[Completed](#) Harvard's CS50x introductory course to computer science.