

Gia Linh Nguyen

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github.com/Linh012

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WORK EXPERIENCE

[10/06/2022 - present]

Xchanted - Full Stack Engineer Internship

- Worked on a web application powered by Next.js, Tailwind CSS and many other frameworks.
- Developed a real-time chat system using Pusher and MongoDB.
- Collaborated with fellow engineers to design and develop the landing and signup pages.

[20/04/2022 - 22/04/2022]

Amazon Discover: Spring Technology Insights

- Worked with other fellow programmers under a mentor on various technical workshops and coding challenges.

[06/04/2022 - 07/04/2022]

Optiver Spring Technology Insight Days

- Developed a Python market making bot for the Optibook competition (which ranked top 30 in a competition with a couple hundred participants).

PROJECTS AND TECHNICAL SKILLS

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

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 also 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)

- **Societies:** University of Warwick Computing Society (UWCS), 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)