

# Cyrus Nguyen

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<https://github.com/cyrusnguyen>

## TECHNOLOGY SKILLS

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Programming languages: Python, C#, Java, JavaScript, SQL, Typescript

Tools: Visual Studio Code, IntelliJ, Jira, Git, GitHub, MS Office, Jupyter Notebook, Amazon Web Services

Libraries and Frameworks: AngularJS, ReactJS, Flask, NodeJS, .NET, SQLAlchemy, MySQL, MongoDB

## PROFESSIONAL EXPERIENCE

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**Software Engineer Intern**, Robus Lighting – Capalaba, QLD

July 2022 – May 2023

- Led a team of 4 to automate the process of identifying and quantifying lighting installations on a site by developing a responsive website using *Angular*, *Typescript*, *Docker*, and *NodeJS*, reducing manual effort by 80%.
- Optimized the scalability and security of an application by deploying it to Amazon Web Services: *AWS IAM*, *Amplify*, *Lambda*, *Cognito*, *DynamoDB* and *S3*, leading to an increase in user adoption by 50%.

**Software Engineer Intern**, CalcTree – Sydney, NSW

May 2023 – July 2023

- Developed and implemented new R&D tasks for a calculation management platform using *Next.js* and *TypeScript*.

**Software Developer Intern**, BlackbookAI – Brisbane, QLD

March 2024 – Present

- Built customised business applications and automation solutions using *C#*, *PowerApps* to meet international client standards.
- Collaborated with cross-functional teams and developed innovative solutions using new technologies.

## PERSONAL/UNIVERSITY PROJECTS

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**[Full-Stack Communication Platform](#)** (*C# ASP.NET, Angular*)

- Developed a dynamic Chat app using *Angular 16*, *.NET Core 7*, *PostgreSQL* featuring real time-messages, profile management, user authentication, photo upload, friend requests and advanced administration features.

**[Full-Stack Movie Searching Website](#)** (*React, Node*)

- Developed a responsive and dynamic website using *React*, with the ability to search for movies and relevant details.
- Implemented *Node*, *Express*, *Knex* and *MySQL* to efficiently manage movie data through *Restful API*.

**[Coffee Shop Web Application](#)** (*Python, Flask*)

- Developed and implemented a functional E-commerce web platform, including features such as product browsing, cart adding, commenting and purchasing, using Python and Flask framework.
- Deployed to render.com using *SQLite* database and *SQLAlchemy* models.

**[Maze Generator & Solver Application](#)**(*Java*)

- Implemented dynamic programming algorithms to generate mazes with multiple solutions, optimize the maze solving process. The utilisation of *Java Swing* to deliver a user-friendly GUI and *MariaDB* to store databases.

**[Portfolio Website](#)** (*NextJS, Typescript, TailwindCSS*)

## CERTIFICATES

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Applied Data Science Certificate - VNUHCM (Vietnamese University of Science)

Python Programming - VNUHCM (Vietnamese University of Science)

## EDUCATION

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Queensland University of Technology – Brisbane, QLD

February 2019 – June 2023

Major: **Bachelor of Information Technology (Computer Science)**

GPA: **5.9**

Relevant Coursework: Software Development, Data Structure, Algorithms and Complexity, Web Computing