



# REGINALD TAN

Aspiring Software Engineer

## CONTACT ME

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## SKILLS & LANGUAGES

Python	<div style="width: 80%;"></div>
C++	<div style="width: 70%;"></div>
C#	<div style="width: 60%;"></div>
ASP.NET Core	<div style="width: 50%;"></div>
JavaScript	<div style="width: 40%;"></div>
Vue.js	<div style="width: 30%;"></div>
Databases & SQL	<div style="width: 65%;"></div>
UI/UX Design	<div style="width: 55%;"></div>
Data Structures & Algorithms	<div style="width: 45%;"></div>

## VALUES & QUALITIES

- Highly-motivated & keen-to-learn
- Open-minded
- Adaptable & quick-learner
- Detail-oriented
- Communicative & Collaborative

## ABOUT ME

Originally from the School of Science & Technology, Singapore, I specialised in Computing and led multiple service-learning events, including collaborations with Singapore Cancer Society & the National Youth Council.

I am studying Information Technology in Ngee Ann Polytechnic with 4 years of programming experience and interests in Full Stack Development and UI/UX Design. I am also the Head Secretary of Overflow, a Student-Initiated-Group which focuses on teaching current technologies and advanced programming.

## EDUCATION

**Ngee Ann Polytechnic** 2022 - Present  
**Diploma in Information Technology**

In my time as an IT student in NP, I have been introduced to many skills & concepts, namely Object-Oriented Programming, ASP.NET Core, Data Structures & Algorithms, Databases & UI/UX design. I have also had the opportunity to develop my skills & interests programming languages such as Python, C#, C++ & JavaScript. Beyond my diploma, I have also helped organise & teach ICT events such as a DSA bootcamp, Prototyping Workshop & more.

**School of Science & Technology, Singapore** 2018 - 2022  
**O'Levels with a Specialisation in Computing**

Graduated from SST in 2021, I specialised in Computing, where I was introduced to concepts such as Computer Architecture, Networking, Artificial Intelligence & Machine Learning. I was also a Service Leader, who led multiple projects such as elderly interactions. Even after graduation, I have continued to be a part of the SST family, by giving talks to new cohorts & being a panelist for multiple open houses.

**St. Stephen's School** 2012 - 2017  
**PSLE Certificate**

As a primary school student, I had a keen interest for Mathematics & Science, participating in numerous Olympiads for both subjects. I was also part of the track & field & Taekwondo teams.



## CERTIFICATIONS

### Advanced Python

LinkedIn Learning

### Programming Foundations: Data Structures in Python

LinkedIn Learning

### Python: Recursion

LinkedIn Learning

### Learning ASP.NET Core MVC

LinkedIn Learning

### Learning C++

LinkedIn Learning

### Programming Foundations: Object-Oriented Design

LinkedIn Learning

### Fundamentals of Dynamic Programming

LinkedIn Learning

### Succeeding in Web Development: Full Stack & Front-End

LinkedIn Learning

### Learning Cloud Computing: Core Concepts

LinkedIn Learning

### JavaScript Certification

CodeCademy

### Command Line Certification

CodeCademy

### Cloud Explorer Certification

AWS Educate

## PROJECTS

### Python, Pygame

#### Tower Defence Game

Using Python, I built a text-based unit defence game (similar to Plants VS Zombies). In this project, I acquired experience in Python, PyGame, game design & logic.

### Python, Data Structures

#### locationX

As my capstone project in SST, my friends & I built locationX, a simple, text-based program to help our teacher plan matches for the National School Games, as he had been doing it manually.

### C#, OOP

#### Hotel Guest Management System

For my final project in PRG2, I showcased my learning in OOP & C# by building a text-based program for a fictitious ICT hotel to manage hotel guests & rooms.

### C++, Data Structures & Algorithms, OOP

#### Food Ordering System

Using C++, I implemented data structures & algorithms with OOP to develop a text-based food ordering system for my final assignment in DSA.

### HTML & CSS, JavaScript, Bootstrap

#### The Tea Shop - [reginaldtan.com/TheTeaShop](https://reginaldtan.com/TheTeaShop)

In 2022, I had the opportunity to build a website for an online tea business. This was exciting as it was the first proper website I built from scratch and I learnt to implement technologies like Bootstrap.

### HTML, CSS, JavaScript, SwiperJS

#### Personal Portfolio Website

As a software engineer, it is essential to showcase your skills & experience. In 2021, I created a portfolio website by following tutorials on different platforms and make sure it is regularly updated.

### AdobeXD, SketchUp, Enscape

#### FitVenture & ImmersiveGym

To showcase my understanding of UX Design, prototyping, & usability testing, I worked on a fitness & health-tracking app that is linked to an immersive gym.

### Figma, MapBox, UI/UX Design

#### AfterShip App Mockup Prototype

Using my learning from UX, I added my own personal twist to what I think a shipment tracking app can be, I created a mockup app prototype for Shipee, a rebranding of the popular app, Aftership.



## POSITIONS & ROLES

### Head Secretary, EXCO

Overflow

2023 - 2024

### Workgroup, Subcommittee

Overflow

2022 - 2023

### Service Leader

School of Science & Technology

2019 - 2021

## AWARDS

### Ngee Ann Scholarship

2022 - Present

### Director's List for Diploma in IT, Level 1

2022 & 2023

### Edusave Certificate of Academic Achievement

2023

### Second Most Outstanding Performance for Diploma in IT, Level 1

2022

### Module Prizes in Computing Mathematics & Design Principles

2022

### Bronze Award in DrCT 2021 (Design Thinking With Robotics & Computational Thinking International Competition)

2021

## EXPERIENCES

### Bootcamp Facilitator & Organiser

#### Bootcamp - Data Structures & Algorithms

As a holiday event, Overflow organised a 3-day bootcamp to teach students DSA, giving me the opportunity to share knowledge on topics like Big O Notation, Stacks, Queues, & Trees, etc.

### Overall-in-Charge, Workshop Facilitator, & Organiser

#### Workshop - Prototyping with Figma & Web Dev

As an Overflow EXCO, I seized the chance to teach students how to prototype their personal portfolio with Figma & how to use Figma plugins to develop their portfolio website.

### Workshop Facilitator & Organiser

#### Workshop - Vue.js

As part of the Overflow workgroup, I was given the opportunity to share about a tech topic of my interest. From there, I prepared materials & taught 2 workshops on Vue & DaisyUI to ICT students.

### Planning Committee, Team-Leader

#### Overseas Learning Experiences to Brunei & Vietnam

In 2018 & 2019, I organised & led 2 overseas service-learning trips to Brunei & Vietnam, where we advocated about pollution, helped install solar panels in a commune, & taught local children.

## ASPIRATIONS

As an aspiring software engineer, I have a few areas I am passionate about, mainly Full-Stack Development, Data Structures & Algorithms, FinTech, Python Programming & User-Centered Design.

I hope to immerse myself in an environment where I can learn through experience. I want the opportunity to understand a real-world financial institution's tech strategies, products & systems, pushing my learning beyond the classroom.

During my internship, I feel that having opportunities to grow and make mistakes that shape me into a better team player & person is of utmost importance as it is necessary if I want to be a professional in IT.

Lastly, I wish to grow my network & professional career, with the potential opportunity of a fulfilling full-time job upon graduation.