

# Elton Teo Zhe Wei

Singapore • (+65) 8239 2994 • (+65) 6754 0912

LinkedIn: <https://linkedin.com/in/eltonteo99>

GitHub: <https://github.com/Runic2H>

Portfolio: <https://runic2h-website.vercel.app>

Results-driven full-stack developer with a strong focus on frontend development using Next.js and React. Demonstrated success delivering scalable applications and leading technical projects in both corporate and game development environments. Skilled in C++, Python, and C# with experience building custom game engines and tools. Fast learner with a proven ability to adapt to evolving technologies and deliver impactful development efforts.

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## Skills

### Programming Languages

C/C++, Python, C#, JavaScript

### Tools and Libraries

React, Next.js, ReactNative, Unity, Unreal Engine, Godot

### Soft Skills

Cross-functional collaboration, proactive problem-solving, self-directed learner

## Work Experience

### uParcel Singapore

#### Full Stack Developer Intern

Sept 2024 – Apr 2025

- Contributed to frontend redevelopment of customer-facing website using Next.js, improving page responsiveness and user-friendliness
- Designed and prototyped a new admin portal with Next.js, enabling faster task execution for internal operations.
- Contributed to middleware development, optimizing admin features to support live delivery tracking and reporting.
- Diagnosed and resolved frontend bugs, reducing overall bug backlogs during internship.

### TinyMOS, Singapore

#### Technical Intern

Mar 2019 – Oct 2019

- Developed live feed and wireless control features for the Nano1 companion app, enhancing real-time camera interaction.
- Migrated star-droid project from Java to C# for Xamarin integration, increasing development efficiency and reuse.
- QA and streamlined packing/shipping processes, supporting successful product launch.

## **Infinity Blockchain Labs, Ho Chi Minh City, Vietnam**

### **Technical Intern**

**Sept 2018 – Feb 2019**

- Delivered multiple feature updates to Infinito Wallet using React Native
- Led development of a promotional UI module that increased in-app event participation
- Designed a modular unit testing system, improving test coverage and reducing post-release bugs.

## **Projects**

### **Disinheritance**

#### **Technical Lead**

**Sept 2023 – Apr 2024**

A 3D stealth horror game developed on a custom built 3D game engine using C++

- Engineered a C# scripting language with .NET to empower designers with rapid gameplay iteration.
- Recreated core Unity Engine components to ease designer onboarding and scripting.
- Built hot reloading features for level editing, reducing build-test cycle time.
- Oversaw Git repo management and codebase merging across a 9-member dev team.

### **Exomata**

#### **Technical Lead**

**Sept 2022 – Mar 2023**

A 2.5D Action Hack-n-Slash video game developed on a custom built 2D game engine using C++.

- Developed the Entity-Component-System (ECS) for the engine's backend architecture
- Implemented save/load features using RapidJSON
- Collaborated with designers to build a Finite State Machine for AI and gameplay scripting.
- Oversaw Git repo management and codebase merging across a 5-member dev team.

## **Education**

SIT-DigiPen Institute of Technology, Singapore

### **Bachelor (Hons) of Science in Interactive Media and Game Development**

**Sept 2021 – Sept 2025**

- **Value Added Programme:** Maths Quest 2021, Physics Quest 2021
- **Relevant Modules:** High-Level Programming (C/C++), Software Engineering projects, Calculus, Analytic Geometry, AI for Games, Level Design, Mobile and Cloud Computing, System Design

Ngee Ann Polytechnic, Singapore

### **Diploma in Information Technology - Mobile Business Applications**

**Apr 2016 – Mar 2019**

- **Award:** Student Excellence Award, 2019 - Full Colours Award (Fencing)
- **Award:** Edusave Good Progress Award 2019
- **Relevant Modules:** Object-Oriented Programming (Python, C#), User Experience, Web Development