

# Thea Sea

Full Stack Software Developer | People Oriented, Result Driven Team Player and Problem Solver

thea.sea@digipen.edu | 89178315

Portfolio Link: <https://thea-sea.github.io/>

## Professional Summary

---

I am a dedicated and versatile individual known for being an avid team player and having an approachable demeanor. I have an open mind for learning and consistently strive to exceed expectations, bringing a strong work ethic and a quick ability to grasp new skills. With over 3100 coding hours on GitHub and Leetcode, my expertise lies in Machine Learning, Artificial Intelligence and Real Time Simulation algorithms. Skilled in C++, Python, SQL, JavaScript, HTML and CSS, I am a versatile programmer skilled at developing both engine architecture and web-based interfaces. Setting myself apart from my peers, I am characterized by my adaptability, flexibility, initiative and resilience, making me a fast learner who can seamlessly integrate into new challenges.

## Skills

---

- |                           |                              |
|---------------------------|------------------------------|
| • Artificial Intelligence | • Interpersonal Skills       |
| • Machine Learning        | • Critical Thinking          |
| • Project Management      | • Adaptability               |
| • Problem Solving         | • Sales and Product Pitching |
| • Effective Communication | • Research                   |
| • Leadership              |                              |

## Work Experience

---

Coding Instructor, The Lab Singapore

| 2023-Present

- Facilitated project-based learning experiences that encourage students to work collaboratively to solve problems using robotics and coding via Lego SPIKE
- Oversee daily operations, including planning coding curriculum and conducting workshops

Research Intern, Singapore University of Technology and Design (SUTD) Research Internship | 2019-2020

- Developed prototypes using Autodesk AutoCAD
- Coded interactive electronic objects using Arduino
- Troubleshooted and fixed prototype bugs
- Cleaned and pre-processed data for research papers
- Developed behavior trees for prototype AI

## Leadership and Accolades

---

**Outstanding Team Project Award (SIT First Year Experience)** | 2023

**Vice-President, SIT First Year Experience Orientation** | 2021-2022

- Managed logistics, HR and publicity for a university-wide orientation with over 3000 freshmen
- Involved in event proposal writing and locations/vendor bookings for the Student Life Committee
- Acquired leadership, event management and team collaboration skills in managing the executive committee

**Edusave Good Progress Award** | 2019

**Colours Award for Leadership** | 2018

## Education

---

**Bachelor of Science in Computer Science in Real-Time Interactive Simulation** | 2021 – Present

DigiPen Institute of Technology

- Overseas Immersion Program 2023 in DigiPen Redmond, WA, United States of America
- SIT Dragonboat Century Race 2021

Expected Graduation Date: September 2025

**GCE 'A' Levels** | 2019 – 2020

Eunoia Junior College

## Volunteer Experience

---

**Executive Committee Leader and Founder, Citi-YMCA Youth For Causes (YFC)** | 2020-2021

- Designed a website in HTML to raise awareness for YMCA
- Founded and managed a team of 61 members across 16 educational institutions
- Raised over 275% in profits
- Pitched fundraising proposals to educational institutions to initiate fundraising booths on various campuses