

Tolentino Abner Jr Morales

abner.tolentino@u.nus.edu | +65 84680443 | <https://abnermtj.github.io/>

EDUCATION

National University of Singapore

Aug 2019 to Present

- Bachelor of Engineering (Hons), **Computer Engineering**
- Modules: SE & OOP, DSA in C++
- Expected Date of Graduation: 11 July 2023

CAP: 4.76/5.0

SKILLS

Languages: C, C++, Java, Verilog, , Python, GdScript, HTML5, CSS, JavaScript

Technologies: LPCXpresso, Godot, Figma, Unity

PROJECTS

Dance

Aug 2021 – Present

- Python 3/C++ Developer for a wearable device that coaches dancing
- Implemented the Bluetooth protocol between BLE IoT devices using bluepy on Ubuntu
- Programmed multithreading, automatic reconnection and handling of fragmented packets

Grab N Go

Feb 2021 – April 2021

- UX Designer for a Supermarket Self-Checkout App
- Wireframed and prototyped a mobile grocery app's scanning and checkout page using Figma
- Planned and conducted usability tests and interviews to improve UX
- Awarded **Huawei Future Interaction Design Award 2nd Place**

CheatLogs

Oct 2020 – Oct 2020

- Java Developer for a cheatsheet manager
- Programmed the parsing and execution of user inputs in a note-taking application in Java
- Setup a Continuous integration pipeline with Junit, Gradle and GitHub Actions

Cheruton

May 2020 - Aug 2020

- Project Lead for a RPG Adventure Game
- **Self-taught** Godot in four months to develop and direct a 2D RPG game in a team of two
- Designed and implemented gameplay, physics and software architecture
- Clinched **Top 6 of 383 projects** in NUS SoC Orbital 2020 **for good software engineering**

WORK EXPERIENCE

12C4I Battalion

Jan 2017 to Oct 2018

- VSAT Field Operator
- Deployed and maintained Ku-band VSAT networks for over 4000 personnel in Wallaby 2018

ADDITIONAL INFO

- Hackathons: Carnival Jam 2021, Execute 2020
- Interests: Digital painting, Video/Photo editing, Pixel Art