Tolentino Abner Jr Morales

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EDUCATION

National University of Singapore   Aug 2019 to Present

- Bachelor of Engineering (Hons), **Computer Engineering**   **CAP: 4.76/5.0**
- Modules: SE & OOP, DSA in C++
- Expected Date of Graduation: 11 July 2023

SKILLS

Languages**:**   C, C++, Java, Verilog, Python, GdScript, C#, HTML5, CSS, JavaScript
Technologies: Vivado, LPCXpresso, Godot, Figma, Unity, Git

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 Ubunutu
- Programmed multithreading, automatic reconnection and handling of fragmented packets
- Implemented the reading data from gyroscopes, accelerometers, and EMG sensors on **Arduino**

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 an **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