



Timothy Japit

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Education

North Carolina State University, Raleigh, NC

Aug 2016 – Dec 2021

Bachelor of Science, Aerospace Engineering

Computer Programming Minor

Summa Cum Laude, GPA 3.89

Honors: Dean's List; AISB 2019 Trip Leader of the Year; 2018 Sophomore Scholastic Achievement

Professional Experience

Software Engineer, Sea/Shopee, Jakarta/Indonesia

Aug 2022 – Oct 2023

- Developed and delivered frontend features as a part of the Internal Systems team, collaborating closely with Product Managers to understand business requirements and translate them into actionable tasks
- Spearheaded the implementation of End-to-End (E2E) tests using Cypress, increasing test coverage by 30% and significantly reducing the occurrence of bugs and regressions
- Navigated the challenges of multi-national operations, creating region-specific features that accommodate diverse user needs and comply with various regulations, ensuring consistent user experience across regions

Human Skills : Communication across large teams, Handling multiple ongoing projects

Technical Skills : Frontend Web Development (React, Typescript, CSS/Sass, Tailwind, Vite)

Teaching Assistant/Peer-Teaching Fellow (PTF), NC State University, Raleigh/NC

Aug 2021 – Dec 2021

- Coached and instructed a class of 26 students through intermediate to advanced Object-Oriented Programming concepts with Java
- Supported 350+ students through the Piazza Q&A forum discussing course material and debugging questions
- Guided 100+ students during office hours through technical programming questions, feelings of impostor syndrome, learning how to use the Eclipse debugger

Human Skills : Active Listening, Mentoring, Teaching

Technical Skills : Java, OOP, TDD, Eclipse debugger

Mechanical Engineering Co-op, ATI – Industrial Automation, Apex/NC

Jan 2019 – Jan 2020

- Developed web scraper (Python) to compile 1500+ products' assembly time to Excel for efficiency analysis
- Observed, measured, and implemented processes & designed fixtures to improve efficiency in the Electrical QA by 50-70%

Human Skills : Active Listening, Presenting, Advocating

Technical Skills : Python, Web scraping, CAD (Solidworks), Assembly Drawing, GD&T

Projects [tjapit.com]

Mimymut, Brand Profile

March 2024 – Now

- Brand profile for Mimymut: one stop shop for hand-woven, yarn tote-bag for your personal carrying needs
- Tech stack: React, TypeScript, Tailwind, Go-Gin-Gorm, PostgreSQL, and Docker

Sealabs Indonesia Digital Academy

Aug 2022-Jan 2023

Oceana, Marketplace

Nov 2022-Jan 2023

- Collaborated in a 6-person team in developing a full-stack marketplace platform in React + Go

Passio, Dating App

Oct 2023

- Created a full-stack dating webapp with React, Tailwind, Go-Gin-Gorm, and PostgreSQL

RTDT, Capstone Senior Design

Jan 2020 – Jan 2021

- Served as Communications and Data-Handling lead during the project
- Embedded Systems programming to communicate with TCP between Rover (server) and Ground Station (client) in Python