

Aye Chan San Tun

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github.com/ayechanst

Skills

Soft: Leadership, communication, patience, adaptability, empathy, critical thinking, customer service

Hard: 94 WPM, programming (Typescript, Rust, Python), fixing hardware, forklift, fluent French

Areas of Expertise: Quality assurance, customer care, technical writing, food handling

Education

Philosophy, University of West Florida – Pensacola, FL **2018 – 2022**

- Technical Writing, Communication Dynamics, General Psychology, Critical Thinking, English Comp II, Creative Writing, Modern Philosophy, Philosophy of Mind, Ethics in Contemporary Society.
- Vice President of Buddhist Club, ran the weekly meetings when the president was out.
- As a brother of Sigma Alpha Mu, I coordinated events.

Work Experience

Optical Technician, Ultrafast Systems – Sarasota, FL **Feb 2020 - Jan 2022**

- Assembled features like mode switch stages, periscopic optics, rotating sample holders, retro-reflectors, spectrometers, and optics.
- Assembled spectroscopy instruments from start to finish to packaging to loading the final product in a truck.
- Trained, supervised, and assisted four employees.
- Maintained and organized the lab and laser equipment.
- Operated diesel and electric forklifts regularly.
- Built spectroscopy experiments for Stanford, Harvard, Samsung, and the US military.

Assistant Trades Person, Rado – Sarasota, FL **Summer 2020**

- Measured, spread mortar, tiled floors, and grouted bathrooms.
- Carried heavy equipment and materials (concrete, wood, metal, etc...) to and from the utility van.
- Demolished rooms quickly and effectively.

Crew Member, Dunkin' Donuts – Sarasota, FL **Summer 2019**

- Received compliments as a cashier from customers.
- Managed and resolved rude customer complaints.
- Ensured coffee was at optimal serving temperature and that the donuts were fresh.
- Greeted and served regular customers, and made new customers smile on their way out.

Freelance Software Engineer, Best Bug Busters – Los Gatos, CA **December 2022 - Present**

- Developed a security toolkit that uses both static code analysis and dynamic runtime analysis. Complete with visualizations to highlight, what would be subtle bugs in code such as incorrect memory layouts, as possible weaknesses in code bases.
- Discovered a high vulnerability bug for a BitVault security audit and two QA bugs for Kinetiq on HyperLiquid.
- Built several full stack applications with Next.js frontends and Solidity backends.
- Improved parallelized data indexing performance by 73% for The Graph. This was done by removing blocking RPC requests, by emulating RPC calls to a stateful virtual machine using pure functions and CRDTs. This allowed full parallelism of the system, and greatly improved indexing speeds by days.