Kyaw Ha

New Brunswick, NJ | kelvinthi.ha@rutgers.edu | linkedin.com/in/kyawha | kelvinthiha17.github.io/portfolio

Education

Rutgers University, New Brunswick, NJ — Expected May 2027
Bachelor of Science, Computer Engineering

Ohlone College, Fremont, CA — May 2024
Associate of Science, Computer Engineering

Experience

Intro to Computer Science Tutor (C++), Yangon, Myanmar — Sep 2018 – May 2019
Peer Tutor
- Tutored C++ fundamentals (loops, conditionals, data structures) for high school students.
- Assisted peers with debugging and problem-solving to improve code accuracy and efficiency.
- Reinforced concepts by designing practice problems and guiding step-by-step solutions.

R&B Auto Works, Yangon, Myanmar — Jan 2019 – Jan 2020
Technical Intern
- Used Microsoft Excel to track inventory, repair data, and supply usage, improving workflow.
- Assisted in automotive diagnostics and repair with hands-on troubleshooting.
- Documented repair processes and ensured technical accuracy for maintenance records.

Happy Lemon, Newark, CA — Jan 2023 – Sep 2023
Barista
- Supported high-volume operations and trained new employees to improve team efficiency.

Projects

Huffman Coding Compressor (C++)
- Built file compression/decompression tool using Huffman Trees and priority queues.
- Implemented dynamic encoding for any user-input text file via CLI.
- Achieved up to ~40% size reduction in tests with large datasets.

Yearly Calendar Generator (Java)
- Command-line app generating formatted annual calendars with leap year handling.
- Automatic month alignment for readability and usability.

Traffic Signal State Machine (Verilog, TTL Logic)
- Designed a state-machine traffic controller on PCB using TTL components.
- Drove real-time simulation via custom clock signals.

Personal Portfolio Website (HTML/CSS/JS)
- Responsive site with AOS scroll animations, dark-mode toggle, and Formspree contact.
- Hosted on GitHub Pages to showcase academic and personal projects.

Technical Skills

Languages: C++, Java, Python, MATLAB, Verilog, HTML, CSS, JavaScript, Swift
Tools: AutoCAD, PCB Design, Logic Simulators, Microsoft Excel
Core Knowledge: Data Structures, Circuit Design, Embedded Systems, Digital Systems