

JUNWOO JUNG

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EDUCATION

Cornell University, Ithaca, NY

Bachelor of Science, Computer Science, May 2023

Bachelor of Science, Electrical and Computer Engineering, May 2023

Selected Coursework: Introduction to Microelectronics, Digital Logic and Computer Organization, Computer Architecture, Embedded Systems, Probability and Inference, Operating Systems, Object-Oriented Programming & Data Structure, Introduction to Analysis of Algorithms

SKILLS

Programming Languages: Python, C, Verilog, C++, MATLAB, Bash, Perl, Swift

Frameworks and tools: Git

EXPERIENCE

Instrumentation and Control Software Engineer

Westinghouse Electric Company LLC., Pittsburgh, PA, Feb. 2024 - Current

- Developing Advanced Logic System (ALS) v2 Platform for eVinci Microreactor with Advanced Reactors I&C team, which is part of Safety & Reactor Systems Engineering

PROJECTS

Bubble Tea Mobile Application

Independent Project, 2024-Current

- Currently designing and developing a mobile bubble tea application with customizable menus, online ordering, integrated payment, store locator, loyalty rewards, and real-time notifications to enhance user experience and engagement

Simple RISC-V Multi-Core System

Cornell University, Fall 2022

- Led a team to design and implement a multicore system with custom multipliers, processors, memory, a ring network, a hazard-handling five-stage processor, and a write-back, write-allocate, two-way set associative cache

FPGA-Based Heart Rate Monitor

Cornell University, Fall 2020

- Developed a custom heart rate monitor simulator using an FPGA board and Verilog, incorporating a combinational ALU, branching, and halting logic into the microprocessor design