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: Intro to Microelectronics, Digital Logic and Computer Organization, Computer Architecture, Embedded Systems, Intro to Computer Vision, Operating Systems, Object-Oriented Programming & Data Structure, Intro to Analysis of Algorithms

SKILLS

*Programming Languages***:** Python, C, Verilog, C++, MATLAB, Bash, Perl, Java, Assembly

Development Practices: Agile Methodology

Version Control Systems: Git, Perforce

EXPERIENCE

Instrumentation and Control Software Engineer

Westinghouse Electric Company LLC., PA, USA, 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

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
> ➢ Incorporated a combinational ALU, branching, and halting logic into the microprocessor design