Yueyang (Landy) Zhong

Seattle, WA | +1 908 510 9146 | landy.zhong1004@gmail.com
and-landy.github.io | github.com/and-landy | LinkedIn: Yueyang Zhong

EDUCATION

University of Washington Expected Jun 2028
B.S. in Electrical and Computer Engineering | Seattle, WA

Rutgers University - New Brunswick 2024 - 2026
Undergraduate study in Electrical and Computer Engineering; transferred to UW.
GPA: 3.954/4.0 | Dean's List: Fall 2024, Spring 2025, Fall 2025

RESEARCH EXPERIENCE

Duke University - CEI Lab 2026
Undergraduate Researcher | Computer Architecture and ML Systems

Fornax | Diffusion Accelerator Compiler Co-author | Submitted to ISSCC 2027

- Developed C++/Python compiler tooling for a custom diffusion-model accelerator within an MLIR-based stack, collaborating with algorithm and hardware researchers.
- Implemented operator splitting and lowering to hardware instruction and memory constraints; contributed to quantization-aware training and nonlinear function fitting.

Retire3D | Efficient 3D Generation First author | Submitted to ICLR 2027

- Led a training-free approach to coarse-to-fine 3D generation that selectively allocates high-resolution computation while preserving the full latent representation and attention context.
- Evaluated Direct3D-S2 and TRELLIS.2; the submitted manuscript reports 1.528x end-to-end speedup over native TRELLIS.2 when combined with temporal caching.

Co-author: PyraQuant (spatial mixed-precision diffusion); submitted to ICLR 2027.

ENGINEERING & TEACHING EXPERIENCE

Rutgers University - New Brunswick Sep 2025 - May 2026
Undergraduate Learning Assistant | Calculus I and Elements of Physics

- Led weekly recitations for 20 students, providing feedback and structured problem-solving support in calculus and physics.

Shenzhen Coffices Electronics Co., Ltd. Summer 2025
Electronics Engineer Assistant

- Supported a voice-activated smart diffuser through PCB design, chip selection, embedded-system integration, bench testing, and technical documentation.

SELECTED PROJECT

Manual Blue Clipper | Analog Guitar Effects Pedal 2025

- Designed and built an overdrive pedal inspired by Tonepad; created PCB design files in Altium Designer and documented the circuit and assembly.

TECHNICAL SKILLS

Languages: C++, Python, C, Java, RISC-V assembly
ML & systems: MLIR, ONNX, PyTorch, quantization, operator lowering, numerical validation
Tools & hardware: Linux, Git, Slurm, Altium Designer, PCB design, Arduino