

YIJU LI

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Last Revised: 2023/04/01. To access my latest CV, please click this [link](#).

As a dual-degree candidate in Computer Engineering and Applied Mathematics at UC San Diego, I possess strong skills in software/hardware development and theoretical computer science. Additionally, my math background and problem-solving abilities allow me to approach complex problems with ease.

EDUCATION

University of California, San Diego

Provost honors

Sep. 2020 - Aug. 2023(Expected)

B.S. in Computer Engineering

B.S. in Applied Mathematics

Minors in Human Biology and Data Science

EXPERIENCE

- Electric Engineer Intern @ Vigitron, San Diego, California
2023 Spring(current), 12 weeks
Router architecture; Firmware support; Transferring algorithms.
- Research Assistant @ CPMG, Columbia University, New York
2022 Winter, 12 weeks
Genomic algorithms; DNN (Deep Neural Network).
- Software Engineer Intern @ Shengmu Life, Chengdu, China
2022 Summer, 10 weeks
Web development; Data cleaning.
- Software Engineer Intern @ UBTech, Log Angeles, California
2021 Summer, 8 weeks
UI/UX research; Frontend development.
- Quality Assurance (QA) Engineer Intern @ GloudGame, Beijing, China
2020 Summer, 10 weeks
Test automation; Low-latency algorithms.

SKILLS

- Math Related:
 - Applied: Search algorithms; Reinforcement learning algorithms; Optimization/approximation algorithms.
 - Theories: Real/Complex analysis; Differential geometry; combinatorics.
- CS Related
 - Programming languages: Java; Python; C++ (GLSL related); C; JavaScript; Web frameworks(React, Spring, Express, etc.).
 - Topic Focused: Neural network; Computer vision; Kernel programming; Computer graphics; Database.
- EE Related
 - HDL/Tools: SystemVerilog; VHDL; Modelsim(Questa); Quartus.
 - Topics focused: Digital electronics and circuits; Microcontroller/microelectronic system design; Computer (CPU) architecture.
- Others
 - Biology related: DNA-FA algorithms; DNA structure; Molecular genetics; Population genetics.
 - DS related: Data cleaning; Data visualization; Statistical analysis(Big Data).