## Yıju Lı

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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

2020 - 2023(Expected)

B.S. in Computer Engineering

B.S. in Applied Mathematics

Minors in Human Biology and Data Science

· Albany Academy, New York

Cum Laude

2017 - 2020

## **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

 $\label{eq:continuous} UI/UX\ research;\ Frontend\ development.$ 

- Quality Assurance (QA) Engineer Intern a GloudGame, Beijing, China

2020 Summer, 10 weeks

Test automation; Low-latency algorithms.

## AREA OF STUDY

• Math Theories

Real/Complex analysis; Differential geometry; Combinatorics.

• Math Applications

 $Search \ algorithms; \ Reinforcement \ learning \ algorithms; \ Optimization/approximation \ algorithms.$ 

· CS Related

Neural network; Computer vision; Kernel programming; Computer graphics; Database; Web development; Desktop software.

• EE Related

Digital electronics and circuits; HDL&Tools; Microcontroller/microelectronic system design; Computer(CPU) architecture.

· DS related

Data cleaning; Data visualization; Statistical analysis(Big Data).

Biology related

DNA-FA algorithms; DNA structure; Molecular genetics; Population genetics.