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, l 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
  UI/UX research; Frontend development.

- Quality Assurance (QA) Engineer Intern @ 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.