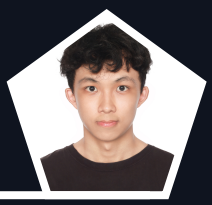
YUKAI GU



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Irvine, CA, 92614

LinkedIn Profile

Github Profile

My Website

EDUCATION

University of California, Irvine (UCI)

Bachelor of Science in **Computer Science**, Specialized in **Intelligent Systems**

Expected Graduation: June 2025

GPA: 3.935

Completed 138/180 units

SKILLS

Programming Languages: **Python**, **C++**, **JAVA**, **WXML**

Web Development: **HTML**, **CSS**, **JavaScript (JS)**, **React.js**

Advanced: **Search Engine**, **IoT**, **Artificial Intelligence**, **Computational Photography**

Others: **Searching Algorithm**, **Chinese Language**, **Researching**

HONORS

Getting ***DEANS HONOR LIST*** in every school quarter

PROJECTS

AntAlmanac

- **Description**: Simplified course management for UCI students.
- **Role**: Contributed as a developer and reviewer.
- **Website**: https://antalmanac.com

Program development | Researching | React.js

IEEE Micro Mouse

- **Description**: IEEE-hosted competition for student-designed Micro-Mouse robots navigating mazes.
- **Role**: Collaborated on algorithm development within a four-person team.
- **Achievements**: Contributed to optimizing maze navigation algorithms, including the flooding algorithm.
- **Website**: https://github.com/stevenguyukai/IEEE-MicroMouse

Program development | Searching Algorithm | Researching | Python | C++

P.R.O.

- **Description**: Founded high school computer club focusing on technology for societal good.
- **Role**: Led the club, guided coding, supervised game development.
- **Achievements**: Launched four brain-boosting games, published 76 original tech articles, taught coding to members, built club website.
- **Website**: https://stevenguyukai.github.io/PRO_Website

Chinese Language | HTML+CSS+JS | Researching | WXML | JAVA

ADVANCED_COURSE

I&C SCI 46 – Data Structure Implementation and Analysis

- Crumble tree, Graph Algorithm, Hash table, Skip list, BST, Sorting

COMPSCI 121 – Information Retrieval

- Built a complete search engine from the ground up (Link)

COMPSCI 147 – Internet of Things (IoT) Software and Systems

- Built a door locking system which understand knocking patterns

COMPSCI 171 – Introduction to Artificial Intelligence

- Implement Heuristic algorithms to solve monster sudoku boards (Link)

COMPSCI 116 – Computational Photography and Vision

- Blending, Reconstruct HDR and Anti-pinhole image, Image stitching