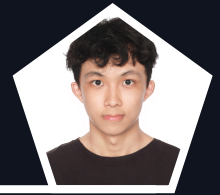






YUKAI GU




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 Irvine, CA, 92614

 [LinkedIn Profile](#)
[Github Profile](#)

 [Personal 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

Information & Computer Sciences Student Council – 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. Organization

- **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