

Shaoxuan Yuan

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[LinkedIn](#) | [GitHub](#) | [Personal Website](#) (temporary)

Python Developer | Electrical Engineer | Resourceful GitHub Contributor

Reliable and enthusiastic freshman in Computer Science with decent experience in different programming languages including Python and Java starting from high school. Ability to quickly learn and integrate different knowledge to apply practically. Interested in full-stack web development using Python and hardware electrical engineering using VHDL. An active open-source contributor on GitHub. On his gap year from July 2021 to September 2022.

EDUCATION

University of California, Irvine - Irvine, CA

09/2020 – PRESENT

Computer Science and Engineering – B.S.

- GPA: 3.80 (out of 4.00, top 10 percent in school/major)
- Deans Honor List in 2020 Fall quarter and 2021 Winter quarter (all attended quarters)

TECHNICAL EXPERIENCES

- **Developed GUI messenger using Python's tkinter**
 - Able to send and receive information between clients and servers
 - Data transmission process is encrypted by NaCl encoder (private/public keys)
 - Several APIs about weather/music/jokes are integrated to enrich the functions
 - Designed the protocol for data extraction
- **Developed a billiard video game using Python's tkinter and MVC model**
 - Designed a simple 2D collision physics engine using Python
 - Link to GitHub: <https://github.com/ffyuanda/15112-TP-Project>
- **Developed Tetris, Sudoku, Star War, and 2048 games using Python's tkinter and MVC model**
- **Active open-source contributor**
 - Member of [Casbin](#), an authorization plugin library on GitHub
 - Member of [PyCasbin](#), the Python implementation of Casbin
 - Actively making PRs about issues, features and so on
- **Participant of [Summer 2021](#) of Open-Source Promotion Plan**
 - Selected as the maintainer for PyCasbin project
 - Making middlewares for Redis, OpenStack and so on

PROFESSIONAL SKILLS

- Python, JSON, third-party APIs, Java, HTML, CSS, and JavaScript
- Familiar with electrical engineering RTL-level hardware design using VHDL language
- Familiar with working using Git and GitHub VCS system

OTHERS

- Languages: Mandarin (Native), English (Proficient, TOEFL: 115), Japanese (N3 level)
- Software: PyCharm (Experienced), Xilinx Vivado (Familiar), PowerPoint (Familiar)
- Video/Audio Production: GarageBand (Familiar), Audacity (Familiar), iMovie, Photoshop