

# Joseph Mangapit

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## Experience

### University of California, Riverside

Projected Graduation  
Dec. 2024

Master of Science in  
Computer Science

**Overall GPA: 3.56**

### University of California, Riverside

Bachelor of Science in  
Computer Science  
with Business Applications

**Overall GPA: 3.78**

**Cum Laude**

## Skills

### Languages/Tools

Python, C++, JavaScript,  
PSQL, HTML, Java, LC-3  
Assembly, G-Test, Arduino

### Certifications

MS Word, Excel, PowerPoint

### Familiar Libraries

Pandas, NumPy, Docker,  
NLTK, spaCy, Transformers,  
TensorFlow, PyTorch, scikit-  
learn, Burp Suite

### Top General Skills

Reliable Interpersonal &  
Technical Communication,  
Adaptability, Time Management

## Projects

### Automatically Jailbreaking Black-Box LLMs ([Link](#))

Reference: Yue Dong, [yue.dong@ucr.edu](mailto:yue.dong@ucr.edu) – My professor

- Achieved a 44% jailbreak capability against a state-of-the-art LLM.
- Utilized LLM APIs and related libraries: OpenAI, FastChat, Replicate, Accelerate.
- Leveraged wandb for comprehensive experiment tracking and real-time graph visualization.

### Block Survival Game (Embedded Systems Project) ([Link](#))

- Developed a block survival game on an Arduino using C++.
- Integrated an ultrasonic sensor, LCD display, LED light, button and more.

### DeepDiWeb ([Link](#))

- Developed a full-fledged Online Disassembler (BitSecurerLab).
- Bridged the technical communication gap between my team's current abilities and our expectations.
- Helped create a 3D force-graph for ease of use using Vue as the framework.

Website (<https://Badminininja.github.io>)

## Experience

**Artificial Intelligence Teacher Assistant** - Riverside, CA

**Teacher Assistant** - Mar 2024 - Jun 2024

Reference: Sofia Sakellaridi, [sofias@ucr.edu](mailto:sofias@ucr.edu) – My professor

- Increased student grades up to 20% by preparing and leading weekly discussion sessions.
- Assisted in developing course materials and providing technical support during labs.
- Helped students maintain data quality and performance throughout the ETL process.

**BitSecurerLab** - Riverside, CA

**Research Intern** - Apr 2023 – Present

- Learned and applied reverse engineering techniques using Ghidra for binary analysis.
- Collaborated effectively within an Agile development team.
- Developed a visualization tool that improved clarity of connected functions & memory objects by 25%.