

Thien Nguyen

Santa Ana, CA 92704

(657)221-8972 | ntmthien2001@gmail.com | linkedin.com/in/thiennguyen2001/

EDUCATION

University of California Irvine

September 2020 – December 2022

- **Bachelor of Science, Computer Science, GPA: 3.98**
- **Relevant Coursework:** Data Structure & Algorithm; Computer Organization, System Design, Discrete Math, Statistic & Probability
- **Awards:** UCI Chancellor's Excellence Scholarship

TECHNICAL SKILLS

Languages: Python, C++, C, Java, JavaScript, HTML, CSS

Tools: VMware virtual machines, VScode, Unix shell, Git, GitHub

STRENGTHS

- Able to self-learn quickly, detail and structure-oriented, passionate to learn new technologies
- Preserve high standards for code quality with aesthetic, maintainability, reusability through all circumstances

PERSONAL PROJECTS

Word Ladder Generator (<https://thientn4.github.io/WordLadderGenerator/>)

- Algorithm to build a graph data structure to model relationships between English words.
- Implemented a Breadth-First Search algorithm to search for the shortest path of word relationships from a starting word to an ending word.
- Web Interface is designed with **HTML**, **CSS** with algorithms in **JavaScript**.

Unbeatable Tic Tac Toe AI (<https://thientn4.github.io/Tic-Tac-Toe/>)

- Implemented a recursive algorithm in **JavaScript** to calculate winning and losing possibilities of leftover Tic Tac Toe options for AI to choose in each turn.
- Integrated with Web Interface in **HTML**, **CSS**.

Mock Interview Web App (<https://thientn4.github.io/iMock/>)

- A web application to help student create an interview question list to do mock interview.
- Utilized Web Speech **API** in **JavaScript** to support text-to-speech conversion functionality.
- Basic web interface is created with **HTML**, **CSS**.

Linux Auction Server (<https://github.com/abner-espinoza/53finalproj>)

- Developed an auction program in **Linux** utilizing **GitHub** to cooperate in a team of two.
- Utilized **multithreading** and socket to support client-server communication.
- Thread Synchronization is designed with mutex and semaphore of **C language**.