

# Ethan Lin

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## EDUCATION

**University of California, Irvine**  
*Bachelor of Science in Computer Science*  
**Mount San Antonio College**  
*Major in Computer Science*

**Irvine, CA**  
*September 2023 - Present*  
**Walnut, CA**  
*June 2023*

- **Awards/Honors:** President's List, Honors Program

## WORK EXPERIENCE

**WorkUp**  
*Software Quality Assurance Intern*

**Los Angeles, CA**  
*October 2024 – February 2025*

- Utilized React, JavaScript, and FireBase to develop features like double-clicking for video likes and AI sections of WorkUp's app whilst helping ensure seamless UI
- Engaged daily in QA procedures/tests to improve the IOS/Web versions of our app to ensure flawless experience
- Writing in-depth reports for other developers to understand crashes and fostering a culture of high standards

**Make-A-Wish**  
*Development Intern*

**Irvine, CA**  
*September 2024 – November 2024*

- Worked and gained familiarity with SalesForce to help keep track of sponsorships and maintain relationships
- Handled the outreach of sponsorships and events while also curating Make-A-Wish kid stories

**National Science Foundation (NSF)**  
*Research Intern*

**Irvine, CA**  
*June 2022 – August 2022*

- Developed a set of procedures that basic programmers can follow to analyze assembly and binary
- Worked in x86 and ARM architectures and gained familiarity with said architectures
- Analyzed assembly and binary through obfuscation and basic encryption
- Collaborated with peers to meet weekly goals whilst demonstrating leadership when groupmates needed help

## PROJECTS

### PillPal

- Designed and developed an app using Flask, MySQL, React, and JavaScript that keeps track of user's medications
- Integrated features that allow the user with the ability to log in or create a profile within the system to save medication iterations and able to enter or change specific amounts of unique medication(s)
- Developed a seamless and responsive app for users with a view of added medication(s) and medication reminders

### Checkers AI

- Used Python and its libraries to create an AI capable of a 60% win rate against players in Checkers
- Developed an AI that utilizes Minimax with AlphaBeta pruning and MCTS to help with its decision-making
- Provided players the option to keep playing or end the round with player data—rounds played and rounds won

### GoodEats

- Created and implemented a full-functioning webpage with Python, Flask, MySQL, React, and MaterialUI to provide users with personal curated meals based on specific needs or personal information/stats
- Enabled users to create a profile within the system that allows logins, saves their stats, and saves favorite meals
- Utilized Gemini AI's API to help generate meals and provide nutritional facts per meal

## PROFESSIONAL SKILLS

- Java, C++, Python, JavaScript, React, HTML/CSS, Material UI, SQL, MySQL, FireBase, Assembly Language, AWS, Docker, SalesForce