Kenneth Ly

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EDUCATION

California State University, Fullerton (CSUF)   **Fullerton, CA**
B.S. Computer Science   *Expected Graduation: December 2026*
- **Cumulative GPA**: 3.57
- **Activities & Societies**: Association of Computing Machinery
- **Coursework**: Data Structures, Object-Oriented Programming, Computer Assembly and Organization, Operating System Concepts, File Structure and Database, Software Engineering, Compilers and Languages

PROJECTS

Radar Tracking Simulator
Object-Oriented Programming, C++, Simulator   *September 2025 - Present*
- Developing a radar tracking simulation in C++ that models moving targets and probabilistic radar detections with noise given a velocity in x, y direction along with a start position

Tidy
React, Firebase   *September 2025 - December 2025*
- Building a chore management web application by developing core features in React with a Firebase backend through practices of iterative Agile sprints and collaborative development practices with a team of 3 students

NASA APOD
HTML, JavaScript, CSS   *April 2025 - May 2025*
- Built a web application that fetched and displayed NASA's daily Astronomy Picture of the Day by integrating the APOD API with asynchronous JavaScript through dynamic image rendering and error handling
- Improved the usability and accessibility of the interface by optimizing layout with CSS Flexbox and semantic HTML through responsive design and intuitive navigation

Leftover Food Tracker
Object-Oriented Programming, Git, Linux, C++, Backend   *April 2024 - May 2024*
- Built a leftover food tracking system capable of handling 100+ unique entries per report by applying Object-Oriented Programming principles through composition and inheritance
- Improved reporting accuracy by writing 10+ validation and aggregation functions through robust input handling and edge case detection
- Enhanced processing efficiency by achieving 100% test coverage for edge cases through optimized for-loops and conditional logic

CAMPUS INVOLVEMENT

Association of Computer Machinery
Algo Member   *April 2024 - Present*
- Participated in 5+ workshops focused on Algorithms

TECHNICAL SKILLS

- **Languages**: C++, Python, JavaScript, HTML, CSS, MySQL, x86 Assembly
- **Tools**: Git, React, Linux