

# Randy Pham

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## EDUCATION

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**University of California, Riverside**

Jun 2025

*B.S in Computer Science | GPA: 3.05*

*Riverside, CA*

**Relevant Courses:** Data Structures and Algorithms, Operating Systems, Databases, Machine Learning, Artificial Intelligence, Software Testing, Software Construction, Information Retrieval

## TECHNICAL SKILLS

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**Programming Languages:** Python, C++, Java, SQL, JavaScript, HTML, CSS

**Tools/Frameworks:** Git, VSCode, GTest, CMake, Slack, PostgreSQL

**Libraries:** Pandas, NumPy, Matplotlib, SciKit

## PROJECTS

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**Feature Selection Optimizer** | *Python, Git*

Jan 2025 – Mar 2025

- Developed a C++ program implementing Forward Selection and Backward Elimination, estimating game movements with Euclidean Distance and Leave one out cross validation, identifying optimal feature subsets in classification tasks
- Achieved up to 96.2% classification accuracy on small datasets and 76.6% on large datasets utilizing iterative subset evaluation and accuracy tracking

**Eight Tile Puzzle Solver** | *C++, Git*

Jan 2025 – Feb 2025

- Designed an AI-driven solver for the classic eight tile sliding puzzle, optimizing with heuristic search algorithms like: A\*, Manhattan Distance, and Misplaced Tiles refining game paths
- Implemented backtracking to reconstruct the solution path, allowing users to trace the sequence of optimal moves from the initial state to the solved configuration

**Movie Recommender System** | *C++, Git*

Sep 2023 – Dec 2023

- Implemented Google Tests and CMake framework, testing code for 90% coverage ensuring recommender is reliability and performing with no discrepancies
- Integrated database containing 100+ movie titles and user ratings, ensuring dynamic updating of recommendations, enhancing UI interactions

## EXPERIENCE

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**Cutie Hackathon**

Nov 2023

*Participant*

*Riverside, CA*

- Facilitated collaboration by on boarding team members to GitHub, managing version control and resolving merge conflicts to maintain development velocity
- Synthesized diverse project ideas into a cohesive technical scope, ensuring alignment on feature prioritization and responsibilities across front end and back end roles

**Lexus of Stevens Creek**

Dec 2021 – Aug 2023

*Valet Driver*

*San Jose, CA*

- Optimized dealership operations, by orchestrating intake and delivery of 15+ customer vehicles, minimizing service bottlenecks
- Coordinated in parallel with sales representatives and managers, aligning with customer transactions, improving queue times
- Demonstrated professionalism under high volume environment, directly through efficient customer service, while maintaining seamless logistical flow