

# Sam Phan

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## EDUCATION

**California Polytechnic State University** | San Luis Obispo, CA

*Class of 2027*

Bachelor of Science: **Computer Science**

Concentration: **Information Systems**

GPA: 3.875 | Dean's List: Fall 2023, Spring 2023

**Relevant Coursework:** Data Structures & Algorithms, Object-Oriented Programming, Systems Programming, Discrete Structures

## HIGHLIGHTED SKILLS

Developer Tools: VSCode, IntelliJ, Git, Godot, Unity, Microsoft Excel, JMPPro17

Languages: Python, Java, Javascript, C, C#, GDScript, RISC-V Assembly

## EXPERIENCE

**Intern** | *Intuit Design 4 Delight Camp & Internship*

*Summer 2022*

- Studied and practiced Intuit's D4D process
- Researched and interviewed local businesses owners about addressable issues
- Produced and presented prototype designs in team environments

**Developer** | *Godot Jigsaw Puzzle*

*Summer 2024*

- Refactored existing Godot application codebase
- Implemented synchronous multiplayer functionality in Godot
- Linked SilentWolfAPI for simple database functionality

**Volunteer** | *Summer Undergraduate Research Program*

*Summer 2024*

- Contributed to training an AI model through manual data processing and entry
- Collaborated with other developers to refine generative algorithm
- Researched

## PROJECTS

**Downloader Program** | C

*Winter 2024*

- Simulated parallel processing to download URL specified files via cURL command-line tool
- Implemented dynamic memory management to allocate resources efficiently during runtime
- Handled edge cases such as abnormal process termination to enhance program robustness

**VirtualWorld** | Java

*Spring 2024*

- Designed and developed custom AI game entities
- Implemented A\* pathfinding algorithms to existing game objects
- Integrated functionality for real-time user input for game world

## EXTRACURRICULARS

**Treasurer** | Cal Poly Thai-Vietnamese Student Association

*Feb 2024-Present*

- Organized fundraisers in collaboration with other student organizations and companies
- Managed and handled cash and digital accounts
- Utilized Google Sheets to analyze trends and log events