Abner Espinoza

Software Developer

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🔗 **abner-espinoza.github.io**

📍 **Los Angeles, California**

EDUCATION

B.S. in Computer Science

University of California - Irvine

📅 2018 - Ongoing
- Dean's Honor List (Fall '18 — Spring '20)
- Active member of **Artificial Intelligence@UCI** and **Association for Computing Machinery@UCI**.

GPA

4.0 / 4.0

EXPERIENCE

Autonomous Systems Intern

Base 11

📅 2019 - 2020   📍 Irvine, California

Base 11 partners with industry and academia to launch technology in data analytics, autonomous systems, and advanced manufacturing.
- Used Python and the SunFounder API to implement a form of computer vision and basic autonomy in drones and compact cars.
- Developed a User Interface (UI) that displayed crucial diagnostic information real-time for autonomous compact cars.
- Worked closely with project managers to collect requirements and ensure project quality.

Debate Finalist

Pacific Southwest Collegiate Forensics Association (PSCFA)

📅 03/2019   📍 Los Angeles, California

PSCFA organizes inter-collegiate debates in the Pacific Southwest area.
- Debated various robust topics and placed second in a tournament involving tens of colleges and hundreds of students.

STRENGTHS

Hardworking, Reliable, and Communicable

Quick Learner and Critical Thinker

Cross-Cultural Leadership

PROJECTS

Pong AI

🔗 https://github.com/abner-espinoza/pong
- Trains an agent with stochastic Policy Gradients on Pong using OpenAI Gym.
- Uses the input frames of the game and the results of each round to train the Neural Network.
- Developed with help from AI@UCI mentors during a club workshop.

Pathfinding Visualizer

🔗 https://github.com/abner-espinoza/Pathfinding-Visualizer
- Developed a Python application to allow users to visualize and interact with the A* Search Algorithm.

Sudoku Solver

🔗 https://github.com/abner-espinoza/Sudoku-Solver
- Developed a backtracking algorithm to find a solution to any solvable sudoku game and a stylish User Interface (UI) to compliment it.

Personal Website

🔗 abner-espinoza.github.io
- Developed a basic personal website displaying my contact information and a resume download feature with HTML, CSS, and Javascript.

LANGUAGES

English, Spanish	Proficient
Python, C++, Java	Proficient
HTML, CSS, Javascript	Intermediate