

Stefan Carnahan

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OBJECTIVE

Quick-learning computer science graduate eager to apply my strong foundational skills in programming and problem solving to a challenging and rewarding career

EDUCATION

San Diego State University

Graduated May 2020

Bachelor of Science – Computer Science

SKILLS & LANGUAGES

- C
- Python
- Unity
- Artificial intelligence
- C++
- PL/SQL
- Bash
- Machine learning
- C#
- Linux
- git
- Written and verbal communication
- Java
- Windows
- TCP/IP
- Team player

PROJECTS

Sudoku Artificial Intelligence – Python

Spring 2020

- Completed a constraint satisfaction problem AI that would solve Sudoku puzzles
- Learned about algorithm design, data structures, and problem constraints in Python

Unity Video Game – C#

Spring 2020

- Programmed a video game with 2D and 3D modes using the Unity engine and C#
- Learned about scripting and abstract classes in C#

Simplified Instructional Computer (SIC) Assembler – C++

Fall 2019

- Programmed an assembler for a Simplified Instructional Computer that output object code files
- Learned about memory allocation, pointers, and string concatenation in C++

Interactive Game Embedded System – Python

Fall 2019

- Created a simple interactive memory game using a Raspberry Pi and an LED matrix
- Learned about classes, inheritance, and hardware control in Python

Linux Shell – C

Summer 2019

- Programmed a simple shell on a Linux system, with functionality for opening files
- Learned about system calls, interprocess communication, and multithreading in C

ACTIVITIES

- **SDSU Artificial Intelligence Club** - Attended meetings, participated in workshops, and shared news on recent developments in artificial intelligence technology
- **Aztec Mentor Program** – Participated in a mentor program with concentration on college to career transition

EMPLOYMENT HISTORY

Ralphs Grocery Company – Meat Department Clerk

2015 - Present

- Worked nights and weekends to support myself while attending college
- Acquired valuable skills in time management and team collaboration

HONORS

- Graduated St. Augustine High School Cum Laude
- Accepted to SDSU with honors