Ben Kunkle

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in linkedin.com/in/benjamin-kunkle

Skills

Software Tools:
𝗩 vim   Git   Linux

Languages:
🐍 Python   Rust   Java   Html   C   Lua

Projects

Ant Simulation *Personal Project* | https://nebsite.website/ant_sim/ant_sim.html

Languages and Tools Algorithms, Rust, Game Dev, Simulation, Research

Short Simulating date retreival in peer-to-peer networks with a system inspired by ants

Long
- Conducted research on P2P networks inspired by ant pheromone systems and Developed a simulation for displaying one of the implementations algorithm.
- Developed a toolkit for benchmarking the program after each improvement to measure and verify progress
- Created a comprehensive report documenting the research and design process, including a live demonstration of the program using WebAssembly

CSC-357 *College Coursework*

Languages and Tools C, Algorithms, Data Structures, Operating Systems

Short Completed several systems programming projects utilizing C programming language, fostering a strong passion for the field.

Long
- fw: a cli program that returned the most frequent words from it's input. It was implemented using a trie datastructure and could process one million words in under a second
- mytalk: slimmed down implementation of GNU talk allowing connection and conversation with other users through TCP
- mytar: slimmed down implementation of GNU tar with support for

Education

California State Polytechnic University

Pursuing Bachelor of Science Degree in Computer Science - Sept 2021 to present

Notable Completed Courses Data Structures, Computer Architecture, Systems Programming, Discrete Structures