Mark Lucernas

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EDUCATION

SDCCD (2019 - 2022) transfering to UC in Fall 2022
UNDERGRADUATE MAJOR IN COMPUTER SCIENCE

- GPA: 3.92 / 4.0
- Honors: Dean's Lister 2019 -2021

CERTIFICATIONS

- edX - Harvard CS50's Introduction to Computer Science
- Udemy - Complete Python Bootcamp
- Udemy - Introduction Artificial Neural Network and Deep Learning
- Udemy - Linux Shell Scripting

SKILLS

C++ • Java • HTML • CSS • JavaScript • Python • C • C# • SQL • Linux • Bash Scripting • Vim • MVC • Agile • ARM Assembly • Lua • Raspberry Pi

RECENT PROJECTS

MARKLUCERNAS.DEV | GITHUB | MARKDOWN, HTML, CSS, JAVASCRIPT

- Personal static website blog inspired by Niklas Luhmann's Zettelkasten with over a hundred posts.
- Displays interactive 2D and 3D Force-Graph displaying posts' uplinks and backlinks connection in a neuron-like structure.
- Posts written in Markdown with in-line HTML that is autogenerated to HTML with static resources. Powered by srid/neuron.
- Implemented RSS feed and per-post comment section with Disqus.

GAME OF GENERALS | GITHUB | LIBGDX, JAVA, JAVASCRIPT

- 9x8 strategy board game with cross-platform support as well as competitive AI implementation and online multiplayer gaming designed using MVC pattern.
- **LibGDX** rewrite of my first iteration **java-game-of-generals**.
- Implemented single player gameplay powered by Minimax Algorithm, with online 2 player gameplay through Socket Programming.

EZ-INSTALL | GITHUB | LINUX, BASH SCRIPTING

- Unix/FreeBSD package installer purely written in Bash.
- Implemented in a make-like install system that tries to install dependencies first before the main target package, with added pre/post installation process support and automatic reporting.
- Implemented a flexible built-in package generation system with pre-generated bash script templates.

WORK EXPERIENCE

U.S. NAVY | SR E3
2018 - 2019 | Great Lakes, IL

- Advanced Electronics Computer Field bootcamp recruit.
- Held leadership positions.
- Top 2 Division in the whole training group.