

Mark Lucernas

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PERSONAL PROJECTS

GENERALS-2.0 | GITHUB

Sept 2020 – Present

- **libGDX** rewrite of my first iteration **java-game-of-generals**.
- A 9x8 strategy board game aiming for a cross-platform support as well as competitive AI implementation.
- Single player gameplay powered by Minimax Algorithm, as well as online gaming (in progress) through Socket Programming.

WEBSITE PROJECT | GITHUB

Nov 2019

- Basic website created to solidify my understanding of HTML, CSS, and JavaScript, and also for an online course project submission.
- Fundamental usage of Bootstrap library with CSS Grid layout approach that handles dynamic screen resizing.

BASH SCRIPTS | GITHUB

Sept 2020 – Oct 2020

- **Dotfiles Manager** and **Local Github Repositories Manager** bash utility scripts.
- Helps backing up/distribution of .dotfiles as well as simultaneous Github secure commands execution throughout multiple local repositories.

GROUP PROJECTS

THE WIZARD | GITHUB

June 2019 – Aug 2019 | SDCCD | Miramar College

- Test-driven top-down shooter game.
- Developed the GUI of the game as well as unit testing via JUnit 5.
- Designed project architecture.

WORK EXPERIENCE

U.S. NAVY | SEAMAN RECRUIT, E3

2018 – 2019 | Great Lakes, IL

- Advanced Electronics Computer Field bootcamp recruit.
- Leadership position as a Dental Yeoman.
- Top 2 Division in the whole training group.

(Veteran, Medically discharged)

IPS GROUP INC. | PARKING METER ASSEMBLER/TECHNICIAN

2017 – 2018 | San Diego, CA

- Assembles parking meters from scratch
- Troubleshoot and update old parking meter models and replace dysfunctional electrical parts.

EDUCATION

SDCCD

UNDERGRADUATE COMPUTER
SCIENCE MAJOR

2019 – Present | San Diego, CA

transferring to UCSD

Cum. GPA: 3.9 / 4.0

Honors: Dean's Lister 2015 – 2016

SELF-EDUCATION

UDEMY | EDX | MOOC

COURSEWORK

UNDERGRADUATE

ARM Assembly

Data Structures and Algorithms

Introduction and intermediate Java

Introduction to C++

Unix and Software Tools, and Scripting

Public Speaking

SELF-EDUCATION

edX - Harvard CS50's Introduction to
Computer Science

Udemy - Introduction Artificial Neural
Network and Deep Learning

Udemy - Python for Data Science and
Machine Learning Bootcamp

Udemy - Linux Shell Scripting

SKILLS

TECHNICAL SKILLS

Proficient:

Java • Python • Bash • JavaScript •
HTML • CSS • VimScript • Advanced
Excel • Linux • Vim/Neovim

Familiar:

C • C++ • MySQL • ARM Assembly • Lua
• Raspberry Pi

SOFT SKILLS

Outstanding:

Bilingual Communicator (Filipino, English)

• Discipline • Teamwork • Interpersonal
Skills • Leadership