GIL KEIDAR

B.S. COMPUTER SCIENCE
(3RD YEAR)

PROFILE

Enthusiastic problem solver, creative programmer, hard worker, and fast learner. Enjoys designing and implementing algorithms.

CONTACT

keidar.gil@gmail.com

LinkedIn: https://www.linkedin.com/in/gil-keidar/

GitHub: https://github.com/gilkeidar

(858) 284 6672

5064 Manor Ridge Lane

San Diego, California, 92130

HOBBIES AND INTERESTS

- Apple II Programming
- Classical music composition
- Piano performance
- Tai Chi Chuan
- Hiking and traveling in nature

PROJECT

BYTEFROST

Designed and built an 8-bit CPU and computer using discrete logic gates and integrated circuits on breadboards. Wrote an assembler in C. Designed an instruction set and assembly language from scratch. Developed display driver card using Arduino Nano. Programs I wrote for it: Eight Queens Problem (all solutions) in 5 seconds; Binary Search Tree recursive insert and traversal using hardware stack.
GitHub: https://github.com/gilkeidar/ByteFrost
YouTube: https://www.youtube.com/@bytefrost

EXPERIENCE

INTERNSHIP AT CYBER@BGU

FEBRUARY 2020 – JUNE 2020

- Used MediaWiki's API and graphing libraries with JavaScript to create a graph-based navigation tool, and augmented the default search engine to include tags using the MVC design pattern and jQuery
- Used Cytoscape.js to represent data interactively as part of a Tableau project
- Refined and refactored CSS code for a web-based project

EDUCATION

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

UNIVERSITY OF CALIFORNIA, SAN DIEGO
EXPECTED GRADUATION IN JUNE 2024
PROVOST HONORS IN 6 OUT OF 7 NON-SUMMER QUARTERS

BIG IDEA GAP YEAR (HI-TECH)

BE'ER SHEVA, ISRAEL
SEPTEMBER 2019 – JUNE 2020

KEY SKILLS AND CHARACTERISTICS

- Proficient in programming in C and Java
- Familiar with C++, ARM assembly, Python, SystemVerilog, C#, JavaScript
- 3.986 GPA
- A+ in *Advanced Data Structures*, *Theory of Computability*, and *Components and Design Techniques for Digital Systems*