

ALEC GOEDINGHAUS

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EDUCATION

University of California, Los Angeles

Sep 2019 - Jun 2023

B.S. in Computer Science, Mathematics, 3.621 GPA

Honors: Dean's Honors

SKILLS & TOOLS

Skills: C/C++, Python, HTML/CSS, JavaScript, Bash, L^AT_EX

Tools: Git/GitHub, Unix/Linux, VSCode, Twilio, Matplotlib, NumPy, Selenium, Skimage

EXPERIENCE

Berkeley Skydeck

June 2017 - July 2017

Summer Intern

Berkeley, CA

- Conducted research and analyzed data regarding the company's analytics and comparisons with other startup accelerators.
- Communicated between different startups to gain insight about programming and starting a company.

PROJECTS

MiniRogue

May 2020

- Developed a game in C++ based off of Rogue, where a player must navigate through several levels of a dungeon avoiding different types of monsters.
- Implementations include an inventory system, chat messages, and weapons with various attributes.

Image Numbering

August 2021

- Created a Python script that groups like-colored pixels of an image by overlaying it with numbers.
- Implemented customizable options such as a user-defined tolerance, expanded view which separates groups into multiple images, and more.

Malloc Lab

November 2020

- Developed a custom dynamic memory allocation library in C that utilizes a segregated list to maximize utilization and throughput.
- Performed at about 80-90% efficiency compared to C's standard malloc function.

MatchBotCom

February 2021

- Created a Discord bot in Python for HackSC that would send each user in a server a customizable survey and match them in pairs them using their responses and a stable matching algorithm.

I'm Filing Here

June 2021

- Developed an ext2 file system from scratch in C including directories, regular files, and sym links.

ACTIVITIES & INTERESTS

Activities: ACM, Undergrad. Math Student Association, Club Martial Arts (Muay Thai, BJJ)

Interests: CS/Math/Physics, Exercise, Movies, Mental Health, Languages, Cooking