GitHub

bren-a.github.io

Contact Information
Brendan Alger
balger97@ucla.edu
(818) 915-3695

Address
425 University Ave
Burbank, CA, 91504
United States

Programming Languages
- Python
- C/C++
- HTML/CSS
- Javascript
- Java
- Lisp
- Haskell
- OCaml
- Prolog

Skills
- Bash
- UNIX/LINUX
- LaTeX
- MS Office
- Adobe Xd

Languages
- English
- Tagalog
- French

Brendan Alger

UCLA Graduate

Education

University of California, Los Angeles (UCLA): June 2019
Computer Science and Linguistics

Experience

April 2019 - Jun 2019: Megamadz Mobile Advertising
Programming Intern
Job Details:
- Implemented a fax to email converter in Javascript using Twilio and Sendgrid API.
  - Decreased reliance of physical documents led to increase in organization and productivity.
  - Resulted in lower material expenses, decreasing overall cost of operation.

Jun 2017 - Jun 2019: UCLA Recreation
Head Lifeguard, Apr 2018 - present; *Lifeguard*, Jun 2017 - Apr 2018
Job Details:
- Develop and lead employee training exercises once a month.
- Work in small groups during high pressure situations.
- Assess situational risk and manage it accordingly.
- Mediate disputes and listen to the concerns of patrons and staff.
- Observe hundreds of people concurrently and proactively scanning the environment to ensure everyone's safety.

Projects

2019, *Work Scheduler(In Progress)*
Designed a python program to help automate work scheduling.
Project Details:
- Uses a variant of Greedy Algorithm in order to give schedules.
- Uses Google Sheets API in order to easily input and access data in a user friendly way.
- Uses OOP to create classes for more user-friendly interaction with data.

2019, *bren-a.github.io*
Designed my own website from scratch.
Project Details:
- Written using HTML, CSS, and Javascript.
- Used Adobe Xd to plan out website design.
- Developed a responsive viewing experience.
  - Uses a "mobile-first" approach in development.
  - Implemented CSS grid in order to easily scale using screen size.

2019, *Reddit Bot*
Created a bot for social media site Reddit.
Project Details:
- Discovered that Reddit has no simple way to follow posts about a specific topic.
- Solved this problem by creating a program in Python using Reddit's API
  - The API allows easy interaction and data manipulation of Reddit's website.
  - User gives bot a list of subreddits and key words that they want to track.
  - Bot will periodically call the Reddit API and collect data from the given subreddits.
  - Python then parses and filters the data based on the keywords.
  - Bot will then send a message to the user notifying them of the posts.