AMAN LUQMAN

CONTACT

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GITHUB.COM/ALUQMAN

EDUCATION

Illinois Institute of Technology
Bachelor of Science, Computer Science

- 4.0 GPA | Dean's List
- Expected Graduation: December 2022

University of Illinois at Urbana-Champaign
Bachelor of Science in Psychology

- 3.6 GPA
- Transferred 06/2019

SKILLS

Languages:

- Python, Haskell, Java, C, Rust, JavaScript, Bash

Technologies:

- Git, Unix Administration, PostgreSQL, Android App Development

Relevant Coursework

- CS 440 - Programming Languages and Translators
- CS 340 - Programming Paradigms and Patterns

EXPERIENCE

SOFTWARE ENGINEERING INTERN - CLOUD
PHYSIQ
JUNE 2021 - CURRENT

- Enabled Windows users to develop and partake in algorithm development research via the creation of a system-agnostic build tool using Nox
- Created and maintained cloud-based data analysis programs to allow for more personalized health research for individuals

RESEARCH ASSISTANT //
DEPARTMENT OF PSYCHOLOGY
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN
JAN 2018 - JUN 2019

- Coordinated research efforts between graduate students and professors to develop Python-based visual experiments used on 100+ participants
- Analyzed 100+ sets of data from visual experiments using R
- Aided in the publication of a scholarly article describing the effects of eye-movement on visual memory (Are there two visual short-term memory stores? A state-trace analysis. Robinson, 2018)

TEACHING ASSISTANT //
DATA STRUCTURES AND ALGORITHMS / SYSTEMS PROGRAMMING
ILLINOIS INSTITUTE OF TECHNOLOGY
JAN 2021 - CURRENT

- Instructed groups of 50+ students on weekly assignments with criteria from an instructor
- Held one-on-one meetings with a number of students to assess their performance and instruct them on individual improvement
- Hosted group code review sessions with emphasis on optimizing for time complexity

PROJECTS

CHEWYTUNES // DEVELOPER

- Developed a web app to take in a user's Spotify account data and recommend foods to match based on industry research
- Created a class to parse a response from the Spotify API and analyze a user's music tastes to numeric values

FLASK LIBRARY // LEAD DEVELOPER

- Constructed a web app via Flask to host a number of books and study materials which can be accessed globally.
- Hosts a large number (20+) of resources in .pdf format for convenient platform-agnostic access
- Webserver is hosted on a Raspberry Pi 3b+ running Raspbian Lite