FORREST BURTON

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GitHub://forrestburton
LinkedIn://forrest-burton

EDUCATION

B.S. in Computer Science   **University of California, Los Angeles**   **Expected: Mar 2023**
- Cumulative GPA: 3.75/4.00
- Upsilon Pi Epsilon - CS Honor Society member
- 4x Dean's Honors List

RELATED COURSEWORK

- **Computer Science**: Data Structures and Algorithms, Algorithm Design, Distributed Algorithms and Blockchain, Operating Systems, Computer Architecture, Object Oriented Programming
- **Math**: Linear Algebra, Discrete Math, Multivariable Calculus

PROJECTS (SEE MORE ON GITHUB)

Client-Server Shell Program| C   **Feb 2021**
- Developed a client-server shell program which communicates with servers
- Successfully sends/receives compressed I/O to execute shell commands

Activ | React, HTML/CSS, Firebase   **Oct 2020-Jan 2021**
- Led the development of a social media **Web App** built with **React.js**
- Organized user-data and video file storage with **Google Firebase**
- Implemented authenticated login, interactive video feed, like/comment feature, and video upload forms
- Designed UI utilizing **Ant Design**

StudyD8 | Java, XML - http://studyd8.com/   **July 2020-Dec 2020**
- Led the development of an **Android App** integrating **Google Firebase** for backend data storage
- Utilized data verification to implement user authentication and client-side login
- Stored and processed user data to generate user matches
- Created a search feature to help users find specific universities and classes

UCLA Food Delivery | C++   **Mar 2020**
- Constructed a hash map to organize and store thousands of GPS coordinates around UCLA
- Implemented breadth-first search and quicksort to create optimal route from point to point
- Resulted in a program giving turn by turn GPS instructions to delivery locations

LANGUAGES AND TECHNOLOGIES

- C++; JavaScript; C; Java; Python
- React; Git; Bash; Firebase; Linux; Scripting; Debugging; Android Development

Work/Leadership Experience

Tech Lead – UCLA Creative Labs   **Mar 2021 - Present**
- Developer for a student organization centered around growth and creativity
- Currently leading the technical development for a digital piece exploring the concept of emotion

Computer Science Instructor – The Coding School   **May 2020-Oct 2020**
- Taught students one-on-one JavaScript and Java fundamentals
- Designed engaging problems and activities to promote educational growth

Fundraiser Leader – Rolling Hills Church   **Apr 2019**
- Started a fundraiser and collaborated with local businesses to raise $3,000 for a family that was robbed