

FORREST BURTON

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[GitHub://forrestburton](https://github.com/forrestburton)

[LinkedIn://forrest-burton](https://www.linkedin.com/in/forrest-burton)

EDUCATION

B.S. in Computer Science	University of California, Los Angeles	Expected: Mar 2023
<ul style="list-style-type: none">• Cumulative GPA: 3.78/4.00• Upsilon Pi Epsilon - CS Honor Society member• Dean's Honors List: December 2019, March 2020, June 2020, Fall 2020		

RELATED COURSEWORK

- Algorithms and Data Structures, Operating Systems, Computer Architecture, Object Oriented Programming, Software Construction Projects, Logic Design of Digital Systems, Linear Algebra, Discrete Math

PROJECTS (SEE MORE ON GITHUB)

Activ React, HTML/CSS, Firebase	Oct 2020-Jan 2021
<ul style="list-style-type: none">• 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, an interactive video feed, a like/comment feature, and video upload forms• Designed UI utilizing Ant Design	
StudyD8 Java, XML - http://studyd8.com/	July 2020-Dec 2020
<ul style="list-style-type: none">• 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
<ul style="list-style-type: none">• 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	
Kontagion C++	Feb 2020
<ul style="list-style-type: none">• Utilized object oriented design and OpenGL framework to result in an arcade-style game	

LANGUAGES AND TECHNOLOGIES

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

Work/Leadership Experience

Computer Science Instructor – The Coding School	May 2020-Oct 2020
<ul style="list-style-type: none">• 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
<ul style="list-style-type: none">• Started a fundraiser and collaborated with local businesses to raise over \$3,000 for a family that was robbed	
Build Leader – Rolling Hills Church	Apr 2018, Apr 2019
<ul style="list-style-type: none">• Led the construction of multiple houses for families in need in Tijuana, Mexico• Maintained order and efficiency while managing a team of 30+ students and adults	