

# FORREST BURTON

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## EDUCATION

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

## RELATED COURSEWORK

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

## PROJECTS (SEE MORE ON GITHUB)

<b>Activ</b>   React, HTML/CSS, Firebase	<b>Oct 2020-Jan 2021</b>
<ul style="list-style-type: none"><li>• Led the development of a social media <b>Web App</b> built with <b>React.js</b></li><li>• Organized user-data and video file storage with <b>Google Firebase</b></li><li>• Implemented authenticated login, an interactive video feed, a like/comment feature, and video upload forms</li><li>• Designed UI utilizing <b>Ant Design</b></li></ul>	
<b>StudyD8</b>   Java, XML - <a href="http://studyd8.com/">http://studyd8.com/</a>	<b>July 2020-Dec 2020</b>
<ul style="list-style-type: none"><li>• Led the development of an <b>Android App</b> Integrating <b>Google Firebase</b> for backend data storage</li><li>• Utilized data verification to implement user authentication and client-side login</li><li>• Stored and processed user data to generate user matches</li><li>• Created a search feature to help users find specific universities and classes</li></ul>	
<b>UCLA Food Delivery</b>   C++	<b>Mar 2020</b>
<ul style="list-style-type: none"><li>• Constructed a hash map to organize and store thousands of GPS coordinates around UCLA</li><li>• Implemented breadth-first search and quicksort to create optimal route from point to point</li><li>• Resulted in a program giving turn by turn GPS instructions to delivery locations</li></ul>	
<b>Kontagion</b>   C++	<b>Feb 2020</b>
<ul style="list-style-type: none"><li>• Utilized <b>object oriented design</b> and OpenGL framework to result in an arcade-style game</li></ul>	

## LANGUAGES AND TECHNOLOGIES

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

## Work/Leadership Experience

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