

Abby Mapes

(310) 210-6872 · abbymapes@gmail.com · 223 N Layton Dr, Los Angeles, CA, 90049
<https://abbymapes.ucr.appspot.com>

EDUCATION

Duke University – 4.0 GPA	Expected May 2022
<i>B.S. in Computer Science, Information Science + Studies Certificate</i>	Durham, NC
<ul style="list-style-type: none">• Honors: Phi Beta Kappa Society, Dean's List with Distinction (Fall 2018 - Present)• Relevant Coursework: Data Structures & Algorithms, iOS Mobile Application Development, Web Development, Design and Analysis of Algorithms, Database Systems, Computer Architecture, Data Science, Discrete Math for Computer Science, Matrices and Vector Spaces	
Campbell Hall High School – 4.95 GPA	Graduated May 2018
<ul style="list-style-type: none">• Honors: Cum Laude, Headmaster's List (2014 - 2018), Scholar Athlete of the Year• ACT: 36, SAT: 1540/1600 (800 Math, 740 English), SAT Math II Subject Test: 800	Studio City, CA

TECHNICAL SKILLS

Languages: Java, Objective-C, Python, JavaScript, Swift, HTML, CSS, SQL, C, MIPS, LaTeX
Tools & Technologies: XCode, Git, RStudio, Maven, SQL Server, GCP, OAuth2.0, WordPress

WORK EXPERIENCE

Google, Inc.	May 2021 - August 2021
SWE Intern, <i>iOS Google Maps Mobile</i>	Virtual Internship
<ul style="list-style-type: none">• Developed features to make Google Maps' photo-viewing experience more immersive and engaging in response to recent findings that mobile users are trending towards visual decision making• Implemented client-side Objective-C code to enhance Google Maps' lightbox– the full screen spotlight view that opens when viewing photos or videos in the app– to help users make decisions about a place• Executed a complete iOS feature development process, including feature design, code implementation, QA & accessibility testing, and enabling the features for experimentation in the 5.75 branch	
Google, Inc.	May 2020 - August 2020
STEP Intern	Virtual Internship
<ul style="list-style-type: none">• Developed a full stack web-based personal assistant that supports 15 common Google Assistant tasks and three unique add-on features using Java, Java servlets, JavaScript, HTML, CSS, and various Google APIs• Implemented an assistant feature that creates a social book experience by liking and sharing books with friends and managing users' bookshelves using OAuth 2.0. and Google's Books and People APIs• Executed a complete development process, including writing design docs, implementation, code reviews, testing, and launching the web application internally	
UCLA External Affairs	May 2019 - August 2019
Junior Information Analyst, <i>Application Development</i>	Los Angeles, CA
<ul style="list-style-type: none">• Designed a Python program to execute a bulk cleanup of UCLA's database, deleting over 45 GB of storage• Assisted in migrating hard-coded IDs from stored procedures into attributes in UCLA's OLTP environment by developing a Python script to parse through and pull out appropriate IDs from SQL statements	
LEADERSHIP EXPERIENCE AND ACTIVITIES	
TutorTies iOS Developer	September 2020 - Present
<ul style="list-style-type: none">• Managing TutorTies, a swipe-to-match iOS app that matches students with tutors at their school• Developed client and server-side code to allow TutorTies to expand to six additional schools	
Web Editor for The Standard	September 2018 - Present
<ul style="list-style-type: none">• Managing and running the website for Duke's online publication The Standard	
SPIRE Fellow	Fall 2019 - Present
<ul style="list-style-type: none">• Mentoring and contributing to Duke's STEM Pathways for Inclusion, Readiness & Excellence community	