

Abby Mapes

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EDUCATION

Duke University – Durham, NC | 4.0 GPA

Expected May 2022

Major: Bachelor of Science in Computer Science, Information Science + Studies Certificate

SPIRE Fellow (STEM Pathways for Inclusion, Readiness and Excellence), Fall 2019

Honors: Dean's List with Distinction Fall 2018, Spring 2019, Fall 2019

Relevant Coursework: Data Structures and Algorithms, Computer Architecture, Discrete Math for Computer Science, Introduction to Data Science, Matrices and Vector Spaces, Laboratory Calculus I & II, Introduction to Computer Science

Campbell Hall High School – Studio City, CA | 4.95 GPA

Graduated May 2018

Honors & Awards: Cum Laude Society Member, Headmaster's List and Honor Roll (2014-2018), Scholar Athlete of the Year Award (2017-2018), Captain of Varsity and Club Volleyball Teams

ACT: 36, **SAT:** 1540/1600 (800 Math, 740 English), **SAT Math II Subject Test:** 800

WORK EXPERIENCE

Google

May 2020 - August 2020

STEP Software Engineering Intern

- Participated in technical training and completed an individual starter project
- Designed and developed a web application capstone project

UCLA External Affairs, Application Development

May 2019 - August 2019

Junior Information Analyst

- Analyzed, reported, and provided information from primary data stores using Python and SQL
- Implemented a bulk cleanup of working tables in UCLA's data warehouse by designing a Python program to evaluate and categorize old tables and generate Excel surveys, deleting over 45 GB of storage
- Assisted in migrating hard-coded lists of donor IDs from stored procedures in the database into donor "attributes" in UCLA's OLTP environment by connecting to the data warehouse using pyodbc and creating a Python script to retrieve and parse through stored SQL statements, pulling out a list of all appropriate IDs

LEADERSHIP EXPERIENCE AND ACTIVITIES

The Standard Web Editor

September 2018 - Present

- Managing and running the website for Duke's online publication

Delta Delta Delta Licensing Chair

Spring 2019 - Present

- Designing, selling, and distributing merchandise for Duke's Chapter of Delta Delta Delta

Creative (Art | Tech) Community Member

January 2019 - Present

- Exploring the intersection of art and technology with other creative and logical thinkers on campus

SKILLS AND INTERESTS

Languages: Expert in Java, Python, C Proficient in HTML/CSS, JavaScript, SQL, MIPS, Conversational in Italian

Tools: Eclipse, Spyder, Pandas (Software), Tableau, Photoshop, Unix, RStudio

Database Management: SQL Server, Blackbaud CRM and Data Warehouse

Web Management: WordPress, WebNode

Interests: graphic design, art, volleyball, playing guitar, hiking