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 - Present
  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, Cloud Traffic Steering   **May 2020 - August 2020**

STEP Software Engineering Intern
- Created an individual full stack web application using HTML, CSS, JavaScript, Java servlets
- Designed and developed a full stack web application

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) Java, Python, C, (Proficient) HTML, CSS, JavaScript, SQL, MIPS, LaTex
Frameworks & Tools: GCP, Git, Maven, Eclipse, Spyder, RunwayML, Unix, RStudio, Photoshop
Database Management: SQL Server, Blackbaud CRM, Data Warehouse
Web Management: Google App Engine, WordPress, WebNode
Interests: playing the guitar, art, graphic design, volleyball, hiking