Abby Mapes

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EDUCATION

Duke University – Durham, NC | 4.0 GPA   **Expected May 2022**

  B.S. Computer Science, Information Science + Studies Certificate
    SPIRE Fellow (STEM Pathways for Inclusion, Readiness and Excellence)
    Dean's List w Distinction, Fall 2018 - Present
  Relevant Coursework: Data Structures & Algorithms, Computer Architecture, Discrete Math for CS,
  Intro to Data Science, Matrices & Vector Spaces, Calculus I & II, Intro to Computer Science

Campbell Hall High School – Studio City, CA | 4.95 GPA   **Graduated May 2018**

    Cum Laude Society, Headmaster's List and Honor Roll (2014-2018), Scholar Athlete of the Year,
    Captain of Varsity and Club Volleyball Teams
    ACT: 36, **SAT:** 1540/1600 (800 Math, 740 English), **SAT Math II Subject Test:** 800

TECHNICAL SKILLS

  Languages: Java, Python, JavaScript, C, HTML, CSS, SQL, MIPS, LaTex
  Tools: Git, RStudio, Maven, SQL Server, Data Warehouse, WordPress
  Technologies: GCP, Google AppEngine, OAuth2.0

WORK EXPERIENCE

Google, Inc.   **May 2020 - August 2020**
  STEP Intern   Virtual Internship
- Developed a full stack web-based personal assistant application that supports common Google Assistant tasks and unique add-on features using Java, Java servlets, JavaScript, HTML, CSS, and Google APIs
- Trained conversational AI inputs with Dialogflow and programmed backend fulfillment and frontend display to support 15 different features
- Implemented an assistant feature that creates a social book experience by liking and sharing books with friends and managing bookshelves for users using OAuth, Datastore and Google's Books and People APIs
- Executed a complete development process, including writing design docs, implementation, code reviews, testing, and launching internally

UCLA External Affairs, Application Development   **May 2019 - August 2019**
  Junior Information Analyst
- Implemented a bulk cleanup of UCLA's database, deleting over 45 GB of storage, by designing a Python program to identify old working tables
- 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

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