

Sofia Jayaswal

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EDUCATION

Dartmouth College — Bachelor of Arts

SEPTEMBER 2021 - PRESENT

- Major: Computer Science, GPA: 3.92/4.0
- Awards: Citations for academic excellence in COSC070 (Foundations of Applied Computer Science) and COSC052 (Full-Stack Web Development)

WORK EXPERIENCE

BlackBerry, Portland, OR — *Software Developer Intern*

C# - REACT - .NET | SEPTEMBER 2023 - Present

- Contributing to the development of the Cylance Multitenant Console, aiming to deliver a scalable, efficient, and cost-effective multi-tenant platform.
- Modernizing the C# and .NET backend codebase to ensure compatibility across various operating systems, including Windows, Linux, and macOS.

Geisel School of Medicine, Dartmouth College — *Undergraduate Research Assistant*

DART - FLUTTER - FIREBASE - AWS | MAY 2023 - August 2023

- Improved the user flow and features of a mobile application for a therapy AI chatbot, increasing accessibility.
- Researched and tested large language learning models to refine the chatbot.

Department of Computer Science, Dartmouth College — *Teaching Assistant*

PYTHON | SEPTEMBER 2022 - June 2023

- Facilitated review sessions to mentor students through coding drills, effectively explaining core concepts and reinforcing their understanding.
- Provided comprehensive instruction on essential problem-solving and debugging skills, equipping students with tools for overcoming programming challenges.

Harbor Social, San Francisco, CA — *Software Engineering and Design Intern*

REACT NATIVE - FIREBASE | JUNE 2022 - AUGUST 2022

- Conceptualized and designed a dynamic social app for a startup participating in the Botha Chan Innovation Internship Program, that empowered users to seamlessly create and register for events while fostering meaningful interactions with other users.
- Streamlined communication within the app by implementing an efficient messaging feature using Firebase, resulting in enhanced user engagement.

PROJECTS

Python Learning Game

REACT

- Fun and intuitive game to help beginner Python students learn classes and objects, active at <https://oops-game.onrender.com>.

Housing Data Visualization Site

REACT - EXPRESS.JS - AWS - SQL

- Interactive data-querying site employing Google Maps API and connected to a MySQL database instance on AWS, hosted at <https://cs61-final-frontend.onrender.com/query>.

SKILLS

React / React Native
NodeJS
HTML / CSS
JavaScript
Python
Java
C
Git
Firebase/Firestore
MongoDB
SQL
C#

COURSE WORK

COSC052:
Full-Stack Web Development
COSC061:
Database Systems
COSC050:
Software Design and Implementation
COSC030: Discrete Mathematics
COSC070:
Foundations of Applied Computer Science

LANGUAGES

Danish (Native)
English (Native)
Spanish (Proficient)

INTERESTS

Rock Climbing
Human-Centered Design