Sofia Jayaswal

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https://sofiajayaswal.dev/

EDUCATION

Dartmouth College — Bachelor of Arts

SEPTEMBER 2021 - PRESENT

- Major: Computer Science, GPA: 3.91/4.0
- Awards: Citations for academic excellence in COSC070: Foundations of Applied Computer Science and COSC052: Full-Stack Web Development

WORK EXPERIENCE

Geisel School of Medicine, Dartmouth College — *Undergraduate Research Assistant*
DART - FLUTTER - FIREBASE - AWS

MAY 2023 - PRESENT

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

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

SEPTEMBER 2022 - PRESENT

- Facilitates review sessions to mentor students through coding drills, effectively explaining core concepts and reinforcing their understanding.
- Provides 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/

TINY SEARCH ENGINE
C
- Created a search engine, comprised of a web crawler, file indexer and query interface in C.

SKILLS

React / React Native
NodeJS
HTML / CSS / Javascript
Python
Java
C
Git
Firebase/Firestore
MongoDB

LANGUAGES

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

COURSE WORK

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

INTERESTS

Rock Climbing
Human-Centered Design