

# DEVON STARR

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## EDUCATION

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**Dartmouth College**, Hanover, NH

**June 2025**

*Bachelor of Arts, Major in Computer Science and Minor in Digital Arts*

**GPA 3.91/4.0**

Activities: Robotics Club, DALI Lab, Data Visualization for *The Dartmouth*, Zeta Psi Fraternity, Undergrad Teaching Assistant

Relevant Coursework: Problem Solving via Object Oriented Programming, Software Design and Implementation, Intro to Applied Computer Science, Discrete Math in Computer Science, Computer Graphics, Full-Stack Web Development, Database Systems

## PROJECTS

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**Cookie Clicker but You Type**, Unity 2D Steam Game

**August 2020 – October 2021**

- Designed and produced a desktop game which utilizes an addictive progression system adapted from the famous game *Cookie Clicker* to help players practice typing in an enjoyable and effective way
- Published the game on the Steam store, and it has been played by thousands of people in over 20 different countries

**Dali Museum Eye Tracking Exhibit**, Unity 3D App

**January 2022 – June 2022**

- Developed a digital museum exhibit for the Salvador Dalí Museum in St Petersburg, FL, which uses eye tracking to inform users about their viewing patterns when looking at different Dalí paintings
- Traveled to St Petersburg with the team to present the exhibit to the museum chairs and guide them in using the software

**Veridium**, Unity VR App

**September 2022 – March 2023**

- Built an interactive VR app for a professor in Dartmouth's chemistry department, which visualizes crystal structures
- Created a system for storing and generating complex, scalable 3D crystal structures in Unity

**MemoryScape**, Unity VR App

**March 2023 – June 2023**

- Led development of a VR time capsule experience which connects to Google Photos and Spotify to bring users back to their past, procedurally generating an immersive memory room with their photos and music from a time period of their choosing
- Utilized Unity web requests along with Google and Spotify API authentication and data retrieval endpoints to access user data and a firebase database system to store it

**React Notes**, React App

**April 2023**

- Designed and assembled an app which uses React components to display notes which can be edited, deleted, and dragged
- Implements firebase authentication with Google, allowing each user to have a different panel of notes

**Intrepid**, React Native App

**May 2023**

- Developed frontend and backend for a React Native app which encourages users to step outside their comfort zones by letting them complete challenges to earn points and use those points to create custom challenges for others to complete
- Users select videos from their phone to submit a challenge, app stores videos for challenge submissions in an AWS S3 bucket
- Backend utilizes Express.js and Mongoose to store information about challenges, users, and their submissions in MongoDB

## RELEVANT EXPERIENCE

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**DALI Lab**, Dartmouth College, Hanover NH

**January 2022 – Present**

*Software Developer*

- The DALI lab is a highly selective group at Dartmouth which utilizes scrum/agile methodologies as well as teams of developers and designers to create software projects for partners around the world
- I have worked as a Unity 3D/VR and a mobile application developer. Most recently I led development of MemoryScape.

**Teaching Assistant**, Dartmouth College, Hanover NH

**September 2023 – November 2023**

- Assisting students in COSC 050 - Software Design and Implementation, providing guidance on software design principles, C programming, Unix development tools, debugging, testing, and Git usage
- Conducting regular office hours, grading assignments, and helping students develop skills in programming and teamwork

**Neptune Flood Insurance**, St Petersburg, FL

**September 2023 – December 2023**

*Software Engineer Intern*

- Working with .NET Framework and C# backend as well as Vue.js frontend and PostgreSQL DBMS

## SKILLS & INTERESTS

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Technical: Unity 2D/3D/VR, C#, Java, Python, HTML, CSS, JavaScript, React, React Native, Express.js, MongoDB, C, C++

Interests: Alarm Clocks, Drumming, Math, Racket Sports, Mechanical Keyboards, Weightlifting, Snowboarding, Climbing