

## EDUCATION

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**Rice University**, *Bachelor of Science in Computer Science, Data Science Minor* Houston, TX June 2026  
Coursework: Computational Thinking, Algorithmic Thinking, Computer Systems, Parallel and Functional Prog, Multivar Calculus, Lin. Algebra, Program Design, Statistics, Advanced Data Structures, Databases, Networks

## WORK EXPERIENCE

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**StudyFind** *Software Developer Intern & Chapter Leader* Houston, TX May 2023 - December 2023  
-Building a platform for Researchers and patients to communicate, especially for long term research projects.  
- Leader for Full stack web dev, coordinating with other universities, planning from inception to completion.

**Intra Drain Alert Network** *Team Leader* Houston, TX August 2022 - December 2022  
-Worked for and was sponsored by Rice Office of Sustainability and the OEDK for a semester  
-Built water leak detector that measured flow rate, sent staff emails if there was a leak, and stored data for future use.

**Office of Information Technology** *Lead Student Consultant* Houston, TX May 2023 - Present  
-Leading students to help other Rice Students through troubleshooting their code, software, and technological issues.

## PROJECTS

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**Python Code Autograder (Java)** November 2023  
-Used Java to implement a greedy version of the hitting set problem, read and run python programs in Java, and built a parser using a modified recursive descent algorithm to make this autograder

**Third Person Shooter (Godot, GDScript, C)** June 2024  
-Built a physics based shooter with complex mechanics and enemies with artificial intelligence, using existing assets

**Notification System (Python, Selenium, Firebase)** March 2024  
-Built a notification system for my Co-workers and I, decreasing our time per response from 3 hrs to under 1 hr

**2D Fighting Platformer (Godot, GDScript, C))** June 2024 - Present  
-Developing a dynamic 2D fighting platformer, integrating complex mechanics, engaging gameplay, and original art

**Tsh Shell (C)** March 2024  
-keep of track of processes, stop on ctrl-c, and executes built in cmds (using signal handlers/exceptional control flow)

**Unix wc function (C)** February 2024  
-used C to take in multiple files and outputs their word, character, and line count and prints in alphabetical file order

**Chat App (React,Redux,Firebase)** June 2023  
-database to build a chat app with multiple subchats.

**Mammography resource allocation (Python)** February 2022  
-Used Pandas and created a Choropleth map to show where Mammography resources would have the highest impact

**Stock Predictor (Python)** September 2022  
-Used Python to model Markov chains to predict future stock prices of First Solar, Google, and the Dow Jones.

**Optimizing Distances on Maps (Python)** November 2022  
-Used Python to find shortest routes between places around Rice using A\*, DFS, and BFS Algorithms

**Targeted attacks on Networks (Python)** February 2022  
-Used Python to simulate targeted and random attacks on UPA and Erdos Renyi Network systems.

## LEADERSHIP EXPERIENCE

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**StudyFind Club Rice** *Co-President* August 2023 - December 2023  
-Started the StudyFind Club at rice, plans fundraisers, recruitment events, coordinate with Rice Professors

**StudyFind WebDev Team** *Project Manager and Chapter Leader* August 2023 -December 2023  
-Led a group of software developers using scheduled team meetings through Zoom and individual meetings  
-Made sure everyone knew their task and objective while making sure they were not overwhelmed.

**Intra Drain Alert Network**     *Project Manager and lead software developer*

August 2022 - December 2023

- Led a team of student engineers from project inception to completion of a prototype

- Able to delegate tasks to teammate, create deadlines, and communicate between the team and our client

## **SKILLS**

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**Programming Languages:** Python,Java,C/C++,C#, GDScript, MATLAB,HTML, CSS, Javascript, React, Firebase

**Other Skills:** Godot, Git, Github, Arduino | **Languages:** English | Mandarin | Greek | Japanese