

# Siddharth Venkatraman

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## EDUCATION

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### Texas A&M University | Engineering Honors

College Station, Texas

Bachelor of Science in Computer Science / Minor in Business / GPA: 3.75

May 2024

- **Relevant Coursework:** Data Structures and Algorithms, Computer Organization, Analysis of Algorithms, Machine Learning, Artificial Intelligence, Survey of Finance Principles, Survey of Accounting Principles
- **Awards:** Craig and Galen Brown Foundation Scholarship, National Merit Scholarship, President's Endowed Scholarship, Dean's Honor Roll, 1<sup>st</sup> Place at TamuHack 2024
- **Leadership:** MSC Abbott Leadership Conference Delegate, Aggie Club of Engineers Service Chair, Freshman Leadership Organization Zone Leader, Freshman Orientation Camp Counselor

## SKILLS

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**Technical:** Python, Java, C++, C#, .NET Framework, SQL, OO Design, HTML, React, JavaScript, Pandas, Jira

**Additional Certificates:** Tableau 2020 Certificate, The Ultimate MySQL Bootcamp Certificate

## WORK EXPERIENCE

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### Charles Schwab

Software Engineering Intern, June 2023 – August 2023

- Incorporated .NET Framework and automated regression testing for the Mutual Fund Legacy Bridge to decrease overall testing time and improve time to market by 3 weeks for the Trading Technologies Team
- Placed 1<sup>st</sup> in the Schwab Business Challenge Summit, designed User Interface for team's final product
- Utilized C# and SQL to process various Mutual Fund trade events and send orders to the Aerospike Database through IBM MQ's in order to increase testing efficiency and speed

### Peacock - NBCUniversal

Software Engineering Intern, September 2022 – December 2022

- Developed software scripts to automate existing manual processes to improve team's productivity
- Retained project management principles through Agile Development and the Jira tracking suite

### NBCUniversal

Media Technology Intern, June 2022 – August 2022

- Implemented a new system for detecting and exporting expired GPG keys to automate the security process
- Improved data transfer clarity for NBCU's internal teams and external vendors by developing custom forms using Microsoft services and each vendor's respective cloud service

## PROJECTS

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### Financial Investment Portfolio (1<sup>st</sup> Place at TamuHack 2024)

React, Firebase, REST APIs, OAuth, JavaScript | <https://siddharthvenkatraman21.github.io/FinancialBoard/>

- Incorporated API calls and web scraping to show allow users to compare live stock prices, view expert recommendations about specific investments, and view the latest news articles online for any company
- Implemented Firebase Backend to allow users to login and track their budgeting progress over months

### Chilifest Music Festival Build Catalog Website

React, JavaScript, CSS | <https://chilifestbuilds.com>

- Utilized React Framework and JavaScript Transitions to deliver an engaging experience at scale to over 2,500 students in the first week since launch
- Collaborated with leaders in fraternities/organizations across campus to collect, standardize and present data

### Live Flight Tracking Application

React, JavaScript, REST API, CSS | <https://siddharthvenkatraman21.github.io/FlightTracker/>

- Incorporated API Calls with Cesium Ion Graphics to display live flight tracking for all current flights