

Haris Ahmed

P. 201-238-4386 iamharis08@gmail.com <https://www.linkedin.com/in/harisahmed12/>
<https://github.com/iamharis08> Tampa Bay Area / Florida

SKILLS

React.js, JavaScript, Python, Redux, SQL, SQLite3, PostgreSQL, Git, HTML, CSS, Node.js, Express.js, Object Oriented Programming (OOP), Data Structures and Algorithms

EDUCATION

App Academy - Immersive software development course with focus on full stack web development (Winter 2023)

New Jersey Institute of Technology - BS - Mechanical Engineering **GPA: 3.5** (Summer 2023)

PROJECTS

Risinghood Investing Website

<https://risinghood.onrender.com/> | <https://github.com/iamharis08/Robinhood-Clone>

Risinghood is a Robinhood clone website which lets the user simulate money investing with the stock market

- Utilized React, Redux, Flask, Python, SQLAlchemy, and SQLite3 to create a Robinhood Clone that lets the user create watchlists for any stocks on the Nasdaq and New York Stock Exchange, and buy and sell shares of those stocks.
- Incorporated the Yahoo Finance Library to retrieve stock market data to display financial data and utilized Apex Charts library to display charts for historical stock data for certain time intervals.

Thiscord Messaging Website

<https://this-cord.onrender.com/> | <https://github.com/iamharis08/Thiscord>

Thiscord is a Discord clone that allows users to message their friends in realtime and create communities

- Utilized React, Redux, Flask, Python, SQLAlchemy, and SQLite3 to create a Discord clone that lets the user create an account, make community servers with channels where other users can join and message each other in realtime.
- Incorporated Websockets using Socket.io Library in Flask to receive user messages and emit them to all users in real time
- Cooperated with 4 teammates in an agile workflow and utilized Git version control

Airbnbs Home Hosting Website

<https://github.com/iamharis08/API-project>

Airbnbs is a Airbnb clone that allows users to host spots, perform bookings, and leave reviews

- Utilized React, Redux, Express, Sequelize, and SQLite3 to create a full CRUD application in an agile work flow

EXPERIENCE

Mechanical Design Engineering Intern

Structured Materials Industries Inc., Feb 2022 – July 2022

- Utilized thermal analysis in SolidWorks flow simulation to create an accurate thermal gradient on a susceptor from the heat generated through radiation
- Testing different susceptor models and materials through static simulations to analyze deformation behavior and stress concentrations with supporting hand calculations to verify the integrity of the results
- Creating presentations with analyzed data through simulations and excel to effectively communicate the design progress in company meetings

Supply Chain Intern

Alpine Supply Chain Solutions, Dec 2021 - Feb 2022

- Gathered approximately 300 product dimensions and weights per day using a mobile scale/dimensioner
- Performed Quality Assurance on mobile dimensioners and Root Cause Analysis on errors in the data cloud
- Communicated process improvements and challenges to maintain productivity within the warehouse
- Created procedures to optimize workflow to be 60% more efficient
- Utilized Microsoft Excel to manage the layout of the warehouse, inventory, and to solve item tracking problems

Society of Automotive Engineers Baja club

Team Member, Oct 2016 - Dec 2016

- Designed the drivetrain for a 2WD/4WD off-road racing buggy with 50 teammates working in an agile work flow
- Lead teammates in developing the drive shaft design and the material selection process for a 4WD system
- Created engineering drawings of parts and bill of materials of assemblies for the 4WD drivetrain