

# RANI PATEL

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Corpus Christi, TX

## EXPERIENCE

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### Dow Jones Web Developer Intern

Summer 2021

- Tools used: React JS, NextJS, Servo, Mongo, AWS, Github, Jira, and Slack
- Collaborated in the Barron's team to create [futures](#) (stocks) components for the web page that interacts with a real time data provider API
- Constructed a full stack MERN and AWS internal tool that automates adding sponsors and universities into the Barron's product, scrapes data from the web for importing old data, and creates a unique visual component that represents each upcoming sponsor and university

### Sonatype Software Engineering Intern

Summer 2022 – Present

- Tools used: React, Typescript, React Testing Library (RTL), Jenkins, Jira, Github
- Created and maintained components for Sonatype's [product design library](#)
- Wrote unit and visual tests for components; converting from enzyme to RTL
- Engaged with product designers and translated visual design into implementation work
- Collaborated with other software engineers using pull requests and continuous integration

## SKILLS

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- Proficient in Python, Processing, Linux, Bootstrap, HTML, CSS, and JavaScript
- Familiar with R, C#, C++, React, jQuery, PHP, Flask, SQLAlchemy, PostgreSQL, and MySQL
- Experienced with Git (unittest), Jupyter Notebook, Pandas, Adobe CC, and Machine Learning

## EDUCATION

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### University of Houston Clear Lake

December 2022

M.S Software Engineering (GPA: 3.8)  
Software Project Management Specialization

### The University of Texas at Austin, Austin, TX

May 2021

B.S.A Biochemistry  
Computer Science, 27 hours

### Relevant Coursework

- Data Analytics, Graphics and Visualization, Software Engineering I-II, Bioinformatics, Software Design, Info in Cyberspace, Game Development, Project Management, Web Programming, Agile Software Development, Life Cycles, Software Testing, Configuration Management, Software Architecture, and Negotiation Strategies

## PROJECTS

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- **Arcade Game** – Delegated in a group to develop a multiplayer game, similar to Space Race, different forms of GUI's, User Interactivity, and a High Scores board implemented in Processing

Fall 2020

- **Adventure Game** – Computed a Zork-like adventurous game executed in python allowing for the player to move through a blueprinted area and pick up and use objects throughout the area **Spring 2020**
- **Mindfulness Website** – Pioneering frontend and backend developments through a team to build a website where one can relax **Spring 2021**
- **Game Database Website** – Launching game archive site with databases and API's where information on video games, platforms, and developers can be accessed **Spring 2021**
- **Covid Invasion Game** – Actualized a game using Phaser, JavaScript, and HTML **Spring 2021**
- **Human Trafficking Prevention Project** **Fall 2022**

## Organizations

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- **e-Nable Member** – 3-D printed prosthetic thumbs and collaborated to assemble the prosthetic hand **Spring – Fall 2019**
- **Freshman Research Initiative** – Analyzed gold in Nanoparticles Stream **Spring 2018**
- **Women in Computer Science** – Member, and participated in WiCS Hackathon **Spring 2021**