

# RYAN PARAPPURAM

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## EDUCATION

<b>The University of Texas at Austin</b>	<b>May 2024</b>
<ul style="list-style-type: none"><li>Bachelor of Science in Computer Science, Minor in Business, Certificate in Applied Statistical Modeling</li><li>Cumulative GPA: 3.89</li></ul>	
<b>Cypress Woods High School, Valedictorian</b>	<b>May 2021</b>
<b>National Merit Scholar</b>	<b>May 2021</b>
<b>Texas Exes Houston Chapter Scholarship Recipient</b>	<b>May 2021</b>

## SKILLS

- Proficient:** Python, SQLAlchemy, Java, Spring Boot, Javascript, React, C/C++, AWS
- Familiar:** HTML/CSS, Bootstrap, Google Cloud Platform, Docker, PHP, SQL, GoLang
- Certifications:** Oracle Certified Associate *Java SE 8 Programmer*, Microsoft Office *Certified Specialist*

## EXPERIENCE

<b>Nordstrom, Seattle, WA</b>	<b>June 2022 - August 2022</b>
<i>Software Engineering Intern</i>	
<ul style="list-style-type: none"><li>Created full-stack app to look up and creatively display changes in recorded product data for all retail partners</li><li>Designed UI with ReactJS and Redux Toolkit, used Google Charts Timelines and AG Grid to display data</li><li>Built backend REST API with Java Spring Boot to query terabytes of AWS S3 data lakes using Amazon Athena</li><li>Collaborated in an agile manner with a cross-functional team, participated in 100% of daily stand-ups</li></ul>	
<b>Cornerstone, Austin, TX</b>	<b>February 2022 - May 2022</b>
<i>Software Engineer Intern</i>	
<ul style="list-style-type: none"><li>Developed automatic PDF generation for construction bid requests and line item orders</li><li>Integrated electronic signature functionality on mobile app using DocuSign eSignature REST API</li><li>Converted mobile app to stylish website using React Native and verified full functionality</li></ul>	
<b>ConstructConnect, The Woodlands, TX</b>	<b>July 2019 - August 2019</b>
<i>Programming Intern</i>	
<ul style="list-style-type: none"><li>Designed an open-source website and login forms in JavaScript using ReactJS</li><li>Performed product testing across Windows 7, Windows 10, and Linux through tests in Excel and Access</li><li>Locally hosted a user profile database in Google Cloud Platform using Cloud Shell</li></ul>	

## PROJECTS

<b>IMDB Emulated Web App</b>	<b>February 2023 - Present</b>
<ul style="list-style-type: none"><li>Developed frontend using JavaScript and React-Bootstrap, React-google-maps/api to display 1000s of instances</li><li>Implemented backend using Python and Flask, and used SQLAlchemy to create endpoints and MySQL database</li><li>Registered domain name and hosted application using AWS Amplify, AWS Route 53, DigitalOcean Droplets</li><li>Documented API using Postman; set up dev/prod/server environments, Dockerfiles, GitLab CI/CD</li></ul>	
<b>pintOS: UTCS Operating Systems Project</b>	<b>August 2022 - December 2022</b>
<ul style="list-style-type: none"><li>Designed and implemented kernel modules such as basic interrupts, multiple thread schedulers(e.g.MLFQS), user process handling, multiple system calls, and a fully functional file system based on FFS</li></ul>	
<b>ReactJS Projects</b>	<b>May 2022 - July 2022</b>
<ul style="list-style-type: none"><li>Built a task tracker app using React Hooks, assembled local database with mock REST API using JSON Server tool</li><li>Engineered a full-stack Twitter clone with Material UI React Component Library and Google Firebase on backend</li><li>Designed basic HTML page to add and display blog posts, used Fetch API and Redux Toolkit to manage state</li></ul>	
<b>Huffman Zip File Software</b>	<b>December 2021</b>
<ul style="list-style-type: none"><li>Built a zip file software using binary trees, priority queues, and hash maps to compress and decompress files</li><li>Zipped and unzipped files using the standard Huffman lossless data compression algorithm</li></ul>	

## CAMPUS INVOLVEMENT

<b>Momentum, Austin, TX</b>	<b>February 2022 - Present</b>
<i>Engineer</i>	
<ul style="list-style-type: none"><li>Presented pitches and stand-up meetings for tech-related startup companies to local investors</li><li>Networked with over 100 members and established knowledge of accelerator communities</li></ul>	