

Roope Raikaa

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Roope-Raikaa.com

Professional Summary

Current undergraduate Computer Science student eager to gain an internship in backend software development and cloud computing. Capable individual contributor and collaborative team leader with a tenacious work ethic. Greatest asset is a keen understanding of Java and C++, coupled by an aptitude for mathematics and data structures.

Education

The University of Texas at Dallas // Expected Graduation: December 2022 // **Richardson, Tx**
Bachelor of Science in Computer Science

- Cumulative GPA: 4.0/4.0
- Major GPA: 4.0/4.0

Technical Skills

- Proficient Programming Languages: Java SE 13, C++, JavaScript ES6, HTML 5, and CSS 3
- Programs: Visual Studio Code, IntelliJ IDEA, GIT
- Packages/Frameworks: Node.js NPM
- Other Skills: WebSocket, MongoDB, AJAX, and Restful APIs

Projects

- Linked Inventory Management System
 - o Developed custom doubly linked-list data structure to track user and product information
 - o Implemented User Authentication System for the Role-Based Access Control (RBAC) System
 - o Dynamically display system menu to user contingent upon user's hierarchy in internal system
- Real-Time Chat Application
 - o Generated an environment for multi-user communication in real time
 - o Utilize socket.io framework to maintain persistent bi-directional communication between the server and a list of clients
 - o Parson JSON data emitted by the server to relay a list of present users back to the chatroom
 - o Enabled seamless, voluntary GPS location sharing amongst users
- Personal Website – Roope-Raikaa.com
 - o Designed a modern, elegant personal website illustrating excellence in front-end development
 - o Employed a multitude of modern CSS animations to enhance visual presence of website

Relative College Coursework

- Discrete Mathematics for Computing (I & II) - Computer Science (I & II) - Linear Algebra
- Programming Fundamentals - Introduction to Engineering and Computer Science
- Calculus I & II - Introduction to Computer Science and Software Engineering

Honors & Awards

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| • Dean of Undergraduate Education's List – UT Dallas | Spring 2020 – Present |
| • Academic Excellence Scholarship, UT Dallas | Fall 2020 – Present |
| • AP Scholar with Distinction | 2017 |
| • Top 2% of Class Coppell High School (Rank 18/848) | 2017 |
| • National Honor Society Inductee | April 2015 |