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TASHI JAIN

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EDUCATION

University of British Columbia, Vancouver

Sept 2018 - May 2022

Computer Science: Bachelor of Science, Dean's Honor List & Science Scholar

Cumulative GPA: 4.00/4.00

Honors & Scholarships:

Faculty of Science International Student scholarship, International Major Entrance scholarship, J Fred Muir Memorial Scholarship in Science, Rajan Family Award in CS, Trek Excellence scholarship

Relevant Coursework:

Completed: Data Structures & Algorithms, Computer Systems, Software Construction, Linear Algebra, Calculus, Statistics

Enrolled: Relational Databases, Computer Hardware & Operating Systems, Computer Vision, Internet Computing, Software Engineering, Entrepreneurship, Intermediate Algorithm Design & Analysis, Machine Learning & Data Mining

Online Self-learning: JPMorgan Chase & Co. Virtual internship, Full Stack Web Development (Bootstrap4, React, React Native, NodeJS, Express, MongoDB), Modern React with Redux, Responsive Web Design, Python specialization, Complete iOS App Development Bootcamp (iOS13 & Swift 5 with SwiftUI), Complete Android Developer course, IoT & Embedded Systems

TECHNICAL SKILLS

Proficient: Java, HTML5, CSS3, Bootstrap4, Microsoft Office

Intermediate: Git, JavaScript, React, Redux, Python, C++, Assembly

Beginner: Swift, NodeJS, Express, Socket.io, SQL, Gulp, Grunt, Sass, LESS, jQuery, C, IoT & Embedded systems

PERSONAL SOFTWARE PROJECTS

Personal Website (for more projects and additional information)

Beach Resort Rooms Website

React, React Hooks, React Context API, CSS, JavaScript, Contentful, Netlify

August 2020

- Developed using React router for routing, React context API for state management.
- Deployed using Contentful headless CMS for data management and Netlify to host the application.
- Incorporated room filtering based on user's search criteria to mimic actual booking experience.

Restaurant Web Application

React, Redux, Bootstrap4, JavaScript, HTML5, CSS3

July 2020

- Developed a single page application using React components and React router.
- Incorporated animations in React and React uncontrolled/controlled forms with form validation.
- Deployed application including reducers, dispatchers, Redux actions, Redux thunk.
- Enabled client-server communication using Fetch and REST API.

Realtime Chat Application

React, Express, NodeJS, Socket.io, Heroku, Netlify

July 2020

- Retrieved data from URL using query strings instead of using Redux or props.
- Enabled realtime chatting using socket.io instead of comparatively slower HTTP requests.
- Utilized react-emoji for text to emoji conversion, react-scroll-to-bottom for intuitive messaging client environment.

Blog Website

React, JavaScript, CSS, HTML, Netlify

July 2020

- Transitioned a pure CSS, HTML blog website to corresponding fully functioning React application (JSX).

Tic-Tac-Toe Android game & web application

Android(Java), XML, React, JavaScript, CSS3

June 2020

- Adapted tic-tac-toe game as an Android and web app with responsive UI and winner declaration algorithms.

WORK EXPERIENCE

University of British Columbia (UBC)

Vancouver, BC

Undergraduate Computer Science Teaching Assistant & Course Developer

Jan 2019 - Jan 2020

- 1 of only 3 first year teaching assistants selected by professor for introductory CS course at UBC.
- Executed multiple weekly 3 hours labs of about 30 students each.
- Graded midterms, final exams, and assignments in a timely manner.
- Collaborated with teaching team to suggest techniques for effective learning.
- Mentored students to design, implement, test, debug code, and provided constructive feedback.
- Streamlined office hours switching between one-to-one and group interactions.

LEADERSHIP & ACTIVITIES

UBC Women in Computer Science (UBC WiCS)

Vancouver, BC

Founder & President, Representative on UBC's Committee for Outreach, Diversity, and Equity

Sept 2019 - May 2020

- Built organization structure from a group of 3 members to an executive board of 12.
- Led executive team to promote interactions on professional, social, and academic levels.
- Allocated \$2000 budget to organize biweekly social, networking, and career events on-campus.
- Established UBC WiCS as an affiliation group with UBC's Computer Science department.
- Marketed UBC WiCS through events, social platforms & WiCS website increasing involvement from 20 to 100 people at events.
- Pitched ideas for inclusion and diversity initiatives for broader CS community at biweekly diversity & inclusion meetings.