Mann Arora

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Summary

I am a highly motivated individual and am currently completing a Bachelor of Computer science and Finance degree at UNSW. I am seeking an opportunity where I can directly apply my sharp analytical, problem solving and team working abilities within a technical role. Through my work-related roles and projects, I've learnt key communication skills and a great aptitude of knowledge in software development. Moreover, my voluntary commitments have exposed me to team environments and have enabled me to develop time management and teamwork skills. I look forward to the opportunity to be surrounded by like-minded individuals who share a keen passion for technology

Skills

Languages: C, Python, Java, JavaScript, HTML, CSS, MIPS Assembly
Frameworks: React.js, Django, Flask, BootStrap
Tools: GitHub, Gitlab, Microsoft Suite, Google Suite

Education

Bachelor of Finance and Computer Science   **Feb 2021 - 2023**
University of New South Wales (Kensington, NSW)
Relevant Coursework:
- COMP2521 Data Structures & Algorithms (C, Algorithms, Data)
- COMP2511 Object Oriented Programming (Java, OOP, Design Patterns, SDLC, OOD)
- COMP1531 Software Engineering Fundamentals (Python, Flask, API's, HTTP Tests, JSON, Agile)

Experience

Academic Tutor   **Nov 2020 - Current**
Self Employed (Plumpton, NSW)
- Prepared and facilitated tutoring workshops, assisted in projects and academic help sessions for students in groups of 3.

Customer Service Officer   **Jan 2022 – June 2022**
Datacom (North Ryde, NSW)
- Assessed, analysed and processed customer information using **data-managing software** such as CustomerFirst and Process Direct.
- **Worked in a team** environment to understand customer issues and resolve them effectively, developing problem solving and critical thinking.

Customer Service Representative   **Jun 2019 – Jan 2021**
SkillTech (Sydney, NSW)
- Conferred with customers by telephone or in person to provide information about products or services, cancel accounts, or obtain details of complaints.
- Checked to ensure changes were made to **resolve customers' problems**

Certifications

- JavaScript Essential Training ([Certificate](#))
- React.js Essential Training ([Certificate](#))
- UNSW Heroes Innovation Learning Program ([Certificate](#))

Programming Experience

UNSW Seams (Team) → [View]   **Python, Flask**
- Used **Python**, **Flask** and **APIs** to build the backend server for UNSW Seams, a communication tool like Discord or Microsoft Teams to send messages, create channels and DMs.
- Created **HTTP tests for the backend** to test whether users are authorised and have permissions to create channels and send messages.
- **Worked in a team** of 5 members over a 10-week period where we effectively managed the project and allocated tasks on **GitLab**.

Information Retrieval (Personal) → [View]   **C**
- Created a program which returns the names of the files that contain the specified word by the user. Moreover, it returns the term frequency within each file.
- Created a **binary search tree** with nodes being linked to a **linked list** containing filenames and term frequency. Moreover, **managed multiple linked lists** that were linked to the BST.
- **Stored and managed data** within binary search tree and linked list using **malloc, realloc and free.**
- **Created, inserted and searched for nodes** within the binary search tree and linked list to return correct data.

Interactive Portfolio Page (Personal) → [View]   **HTML and CSS**
- Used **HTML** to build visual text implementations and formatting of content on the webpage.
- Created links and interaction using HTML allowing for visitors to access different pages.
- **Styled and designed the webpage using CSS** allowing user friendly interface and moreover a neat, polished finish to the website.

Dungeon Mania (Team) → [View]   **Java**
- Used software design and development in a dynamic team environment using **Agile principles**.
- Applied **software design principles and patterns** to create well maintained software and testing.
- Built persistent **web application** from scratch
- Applied Java and Java libraries for software and application development.

Extra-Curricular

Microsoft Student Accelerator Program   **June 2022 – Present**
- Participating in a 3-month bootcamp **covering JavaScript, React, BootStrap, HTML, CSS and Python**

Holon Innovate Hackathon   **Nov 2021**
- **Worked in a team of 2** to create and **design an interactive user interface.**
- Created and designed innovative experience and built functionality that contributed to **data storage for the blockchain.**

UNSW Heroes Innovation Program [(View Certificate)]   **Jan 2022 – Apr 2022**
- **Worked in a team of 5** to conduct business analysis, plan and pitch an innovative solution to a real-world business problem.
- Created strong industry relationships with IBM, KPMG and Deloitte via industry workshops on **entrepreneurship, pitching and innovative problem solving**.
- **Conducted research** on stakeholders, financial markets, funding and budgets to create an innovative solution for these companies.
- Analysed the social impact of innovative solution in alignment with UN Sustainability goals.

Team Leader for UNSW Sun Sprint Solar Car Challenge   **Mar 2018 – Sep 2018**
- **Managed a team** that prototyped, built and competitively raced a solar powered car at UNSW.
- Allocated tasks and asserted deadlines for project completion within team.
- Researched, tested and analysed various problems and **developed solutions** within **team environment.**