ISHAAN SINGH

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OBJECTIVE

Being an avid and passionate player of computer and phone games, I developed a fascination towards the tools used to make them and eventually began learning programming as a result of that. My goal is to contribute to the growth of the digital world by developing programs that have a large-scale impact.

To above end, I will like to apply for this internship to both learn from real-life experience and make valuable contributions. I am confident that my skill set matches well with the requirements of the job. It will be an honor to be given the opportunity to make a difference.

PAST EXPERIENCE

QA Intern at UrbanPiper for 8 weeks in 2023:
- Learnt about how API testing is carried out, and helped develop a framework for testing the company's software using the Karate Framework.
- Developed skills in a multitude of Python libraries, and gained familiarity with AWS.
- Gained exposure to and learned about automated API testing using Gherkin-based languages like Karate and tools like Postman.

EDUCATION

SEPTEMBER 2021 ONWARDS

MAJORING IN COMPUTER SCIENCE, UNIVERSITY OF CALIFORNIA SANTA CRUZ

Relevant Computer Science classes I have completed include:
- **CSE 30 – Programming Abstractions: Python**
  Learned various computer science concepts like recursion and object-oriented programming in Python.
- **CSE 13 – Computer Systems and C Programming**
  Learned the basics of the C language such as pointers, functions, dynamic memory, and structs. Additionally, did the basics of Linked Lists, Hash Tables, and Graphs.
- **CSE 101 – Introduction to Data Structures and Algorithms**
  Introduction to abstract data types and the basics of algorithms. Learned Linked Lists, stacks, queues, hash tables, binary trees, heaps, and graphs. Also learned how to derive Big-O analysis of simple algorithms. All of the work was done in C/C++.
- **CSE 120 – Computer Architecture**

Learned RISC-V, Data paths, pipelining, ISA, Data Hazards, Data Forwarding, Branch Prediction, Virtual Memory, and caches and Cache Coherence (MSI and MESI). All assembly work was done in RISC-V.

- **CSE 130 – Principles of Computer Systems Design**
Learned the principles governing computer-systems design and complexity, gained familiarity with memory, storage, and networking. Learned concurrency and synchronization, layering (abstraction and modularity), naming, client-servers and virtualized system modules, and performance

SKILLS/ STRENGTHS

- Programming: Python, C, C++. Karate Framework
- Excellent written & verbal communication
- Leadership & teamwork skills
- Creativity & innovation

ACTIVITIES & INTERESTS

LEADERSHIP

Event Head within the interschool cultural festival 'Immaculata', with over 1500 attendees. Responsible for event planning including promotion, activity selection, speaker recruitment and hosting on the day of the event.

COMMUNITY SERVICE

Set up a books and toys library called '*Nanhi Kiran*' (means *Small Ray*) at Bai Jerbai Wadia Hospital for Children in Mumbai, India. It is a 500+ bed children's hospital which supports free/ subsidized medical care for children for underprivileged sections of the society. Collected over 300 books & games/ toys with the support of family & friends and handed over the library to the hospital management after set up.

Volunteer for a Non-profit *'Khel Khel* Mein', which focuses on enhancing the learning and value building experience of underprivileged children through games/ sports and music/ celebration of festivals.

PUBLIC SPEAKING

Model United Nations (MUN) Delegate - In the Disarmament and International Security Committee (DISEC) in 2020 and 2021, representing Australia and Vietnam respectively.

Awarded a merit in Hindi Elocution hosted by St. Mary's School ICSE in 2017 and 2018.

OTHER INTEREST

SPEEDCUBING - Active speedcuber since 2014. Have participated in competitions of World Cube Association. **Personal best timing of 20.94 seconds.**

OTHER LINKS

GitHub – https://github.com/CodeInferno03
GitHub Project – https://github.com/groverneil/SummonersWar-Rune-Eff-Calc
LinkedIn – www.linkedin.com/in/ishaan-singh-935b4b25b