

# Talhah Peerbhai

@talhah@cmu.edu  systuner.com  @tvlpirb  Talhah Peerbhai


Computer Science junior


## Education

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### Higher

*Carnegie Mellon University*

 Aug 2021 – May 2025

 Doha, QA

B.Sc. Computer Science

#### Courses:


Imperative Computing | Functional Programming  
Parallel Structures and Algorithms | Linear Algebra  
Probability | Multivariate Calculus | Great Ideas in  
Theoretical CS | Tech Entrepreneurship | Computer  
Systems


## Experience

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### Startup Co-founder at Sporsen

*Sporsen*


 Sept 2023 - Present


 Doha, QA

- Responsible for leading technical team

### Undergrad Outreach Assistant for CS

*Carnegie Mellon University*


 June 2023 – Present


 Doha, QA

- Assist with the mentoring and teaching of students
- Review and help students with their code

### IT Student Assistant

*Carnegie Mellon University*


 May 2023 – Aug 2023


 Doha, QA

- Assist with Tech Service Desk
- Assist with Windows installation and troubleshooting
- Assist with printer setup and troubleshooting

### VIK admin/coordinator

*Coca Cola*


 Sep 2022 – Dec 2022

 Doha, QA

- Managed a team to coordinate stock delivery, and did follow ups
- Managed stock reconciliation on Excel, daily release of stock and tracking movement of assets

### Junior Systems Administrator

*Mesaieed Community Saturday School*

 Jan 2021 – Aug 2021

 Doha, QA

- Responsible for managing webserver (NGINX)
- Responsible for mailserver
- Responsible for domain management

## Projects

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### *Slick IRC (python)*

An Internet Relay Chat client. Supports modern IRC servers, has the ability to join multiple channels and supports the standard set of IRC commands.

### *AI malaria detection (Python)*

Created machine learning algorithm which diagnosed malaria in blood smears with a 89% accuracy.

### *Docker homeserver*

My Docker compose files for my personal home server. Includes multiple service such as Wireguard, Mail etc.

### *Sporsen (Dart/flutter)*

Prototype sports platform connecting people. Used to demo my startup idea.

### *Memory allocator (C)*

Developed a memory allocator utilizing LRU and doubly linked free lists.

### *HTTP Proxy (C)*

Developed a primitive but functional HTTP proxy with caching.

## Skills

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### Programming

Python | C | Go | Dart | SML | Bash

### Technologies

Git | Docker | Linux | NGINX | Flutter | Microsoft Office

### Soft Skills

Communication | Collaboration | Time-management  
| Coordination | Problem Solving

## Awards

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- Deans List Fall 2023
- Lifelines Hackathon 4th Place
- Qatar Collegiate Programming Contest 4th Place

## Interests

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- Computer Security
- Embedded Systems
- Blockchain
- Self-hosting and digital privacy
- Cloud computing