

Abubaker Omer

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EDUCATION

Carnegie Mellon University

2015 – Present

Bachelor of Computer Science, Class of 2019

EXPERIENCE

Qatar Computing Research Institute

May 2016 – June 2016

Cyber Security Intern

- Deployed a system to detect malicious activities in QCRI's internal Network
- Was able to detect various malicious activates

PROJECTS

NIXT Chatbox

May 2016 – June 2016

- Co-founded an open source terminal-based instant messaging system in Unix
- Developed the communication protocol and handled server-side programming

Dynamic Memory Allocator Package (Malloc)

Fall 2016

- Implemented C dynamic memory allocator using segregated lists
- Optimized memory utilization and throughput by eliminating footers and having distinct structures for free and allocated blocks.

CMU-Q Events Website | cmuqevents.appspot.com

Summer 2016

- Developed a Carnegie Mellon University (Qatar) based event tracker website
- Received recognition from Carnegie Mellon-Qatar's Students Government

AWARDS

1st Place in Harvard's CS50x Programming Competition

Summer 2016

Hosted by Harvard University

- Won against more than 600 teams from around the world
- The algorithmic challenges were made by scholars from MIT, Yale, and Harvard
- The programming contest lasted for 72 hours

TECHNICAL SKILLS

Proficient: *Python, C, Standard ML, HTML/CSS, Photoshop*

Familiar: *JavaScript, Assembly x86-64, Mathematica, Latex*