

YUSUF SAQUIB

yusufsaquib@gmail.com | +1 (734) 382-8251 | American Citizen

Website: www.yusufsaquib.com

Linkedin: [/in/ysaquib](https://in/ysaquib)

GitHub: [ysaquib](https://github.com/ysaquib)

EDUCATION

Carnegie Mellon University | Class of 2022

B.Sc. Computer Science

Minor in Business Administration

WORK EXPERIENCE

Security Research | Carnegie Mellon University | Dec 2020 - Present

- Worked with Dr. Ryan Riley at CMU to test device vulnerabilities to different forms of attacks involving firmware extraction and modification.

Software Engineering Intern | Biomotivate | Jun – Aug 2020

- Implemented software and hardware features for a product prototype.
- Improved upon existing prototype functionality for consumer use.

Sole Founder | Melakia.com | Jun 2019 – Present

- Created an Online Store to sell custom Arabic Calligraphy products.

Course Assistant | Carnegie Mellon University | Jan 2019 – Present

- Helped and supported students by explaining course concepts.

PROJECTS

TEDx Youth Website | Jan 2020

- Co-built the TEDx Youth Al-Dafna website using HTML, CSS, and JavaScript.

Digital Canvas | Nov – Dec 2019

- Used ultrasonic sensors and servo motors to track an object on a surface and mapped its path.
- Programmed a Tiva C microcontroller in C and created a GUI in Python

Eventify | Mar – Apr 2019

- Created an Event Marketing platform as an Entrepreneurship Course Project with a team of students.

Website Builder | Dec 2018

- Implemented a drag and drop website building tool in Python for a Computer Science Course Project, using tkinter to create the UI.

HUDEdit | Jan 2016 – Mar 2018

- Created a Head's Up Display editing software for a videogame using Java
- Used the JavaFX library to implement a drag and drop feature to convert the items on screen into code the game can understand.
- Gained over 5000 downloads and developer recognition.

EXTRACURRICULAR ACTIVITIES

Head of Finance | Computing Club at CMU | Oct 2018 – Present

- Managed the funds and budget of the club through the use of spreadsheets.

Medical Executive | Planetary Society at CMU | Oct 2018 – Present

- Provided medical and first aid support during stargazing trips.

KEY COURSES

Embedded Systems

Introduction to Computer Systems

Introduction to Computer Security

Software Foundations of Security & Privacy

Algorithm Design and Analysis

Principles of Functional Programming

Great Theoretical Ideas in CS

TECHNICAL SKILLS

Programming Languages

C Assembly

Python SML NJ

Java JavaScript

Software & Technologies

Linux GDB

LaTeX Git

Adobe Photoshop Adobe Illustrator

Adobe InDesign Adobe Premiere

Adobe XD Microsoft Office

LANGUAGES

Native English Arabic

Proficient Urdu

HONORS AND CERTIFICATIONS

• Taekwondo – 2nd Dan Black Belt

• Taekwondo Sparring Tournament

• Basic Life Support & First Aid full training course and certification

• Dean's List Award

INTERESTS

• Playing table tennis

• Making Arabic Calligraphy artwork

• Reading and writing

• Photography