Omar Saad Khatib

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EDUCATION

Northwestern University
Major: Computer Science, BS
Minor: Economics, BA
Expected Graduation Date: March 2023
Cumulative GPA: 3.71/4 | **Major GPA:** 3.85/4

Stanford University
Certificate: UX/UI design

Ramallah Friends School
International Baccalaureate (IB) Diploma
Graduation Date: June 2019
Top 5 Class Rank

SUMMARY OF QUALIFICATIONS

- **Enthusiastic** Problem-Solver and critical thinker with logical/clear decision-making abilities
- **Excellent** writing and desk and field research skills
- **Proficient** team leader and member, with highly established teamwork capacity
- **Quick adaptor** to environment and work well under pressure

LANGUAGES

Arabic - Native Reading, Writing and Speaking
English - Native Reading, Writing and Speaking
French - Intermediate Reading, Writing and Speaking

SKILLS

Programming Languages / Programs
Python **|**C/C++ **|** C# **|**Java **|**HTML/CSS **|**JavaScript **|** Bootstrap 5 **|**PHP **|**Git **|**SQL **|**MATLAB **|**MS Office **|**G-Suite **|**Adobe Acrobat Pro **|** RStudio **|** React **|**Prototyping tools (Balsamiq, Sketch)

COURSEWORK

Design Thinking and Communication **|**Data Structures and Algorithms **|**Discrete Mathematics **|**Introduction to AI **|**Machine Learning **|**Creative Applications of Machine Learning **|**Design and Analysis of Algorithms **|**Computer Systems **|**Introduction to Databases **|**Agile Software Development **|**Computational Photography **|**Deep Learning **|**Generative Deep Models **|**Money & Banking **|**Corporate Finance **|**International Finance

WORK EXPERIENCE

JupiterDx
(03/2022 – Present)
Software Developer: Building a platform that consolidates all Electronic Health Records (EHR) including generated FHIR observations for wearables time-series data.

Alarm.com
(06/2022 – 09/2022)
Software Engineering Intern: Designed and implemented automated tests for new doorbell and battery powered cameras' logic / features using C#

Kellogg School of Management
(08/2021 – 06/2022)
Research assistant / Temporary Student: Data analysis of a study concerning political polarization in America over the years, using NLP in Python and R

Intertech (website)
(07/2021 – 08/2021)
Web Development Internship: Worked on multiple Websites' front-end and back-end development using Bootstrap 5, CSS, and JavaScript. (e.g. https://ahli.com/)

Core Associates
(01/2021 – 05/2021)
Economic Research Assistant: Implemented EU funded project assessing Bangladesh's Graduation from a least developed country (LDC) into a developing country (DC).

Paltel
(03/2020 – Present)
Mentor: Mentored High Schoolers in the Code 4 Palestine Program and assisted in coding, brainstorming, prototyping, and college counseling

AlNayzak
(08/2018 - 09/2018)
Curriculum Development Assistant: Planned, launched, and taught a curriculum for a coding program in Organization for Supportive Education and Scientific Innovation for children of ages 8-13

PROJECTS

Music for the Moment (2021)
Built an automated music player that selects appropriate music for spoken dialogue, where songs come from user-created YouTube playlists and the program automates song downloads and categorization. Keeps up with fast-changing dialogue of improv shows. Flow Chart & System architecture available here

SantAssign (2021)
Created a React web app for Randomizing Assigning Secret Santa accessible here

Lite Bikes (2020)
Developed a 2D two-player computer game called Lite Bikes in C++

Nut.rio (2020)
Designed an app to respond to Covid-19, which allows users to keep track of anything related to pantry products, including products owned, expiration dates, and a shopping list