

Yassir Soukaki

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Availability: June - December 2023

EDUCATION:

Northeastern University, Boston, MA

Candidate for Bachelor of Science in Computer Science

Sept 2021-Present

Expected Graduation: May 2025

Minor: Cell and Molecular Biology

Activities: NU Wrestling | NU Taekwondo | ISNU | MULTI | ASA

Related Course Work: Object-Oriented Design, Algorithms & Data, Fundamentals of Computer Science 1 & 2, Mathematics of Data Models, Math Reasoning, Discrete Structures, Multivariable Calculus, Foundations of Cybersecurity, Foundations of Data Science, Organic Chemistry, Inquiries of Biology

Revere High School, Revere, MA

Top 10% of 477 Class Size, National Honors Society

Sept. 2017- May 2021

Cumulative weighted GPA: 3.9/4.0

AP Statistics, AP US History, AP Calculus AB/BC, AP World History, AP Seminar, AP Psychology, AP Government

Activities: Student Senate Board of Directors, Model UN/G20 President, Football, Robotics, Track and Field

COMPUTER SKILLS:

Languages: Java | Racket | HTML | CSS | Python | JavaScript | React | SQL | C++

Operating Systems: Windows | Linux (Ubuntu)

Technologies: Git | Github | IntelliJ | JUnit | Eclipse | Pycharm | Jupyter Notebooks | VS Code | Figma | numpy | pandas

PROJECTS:

Image Processor | Java

Nov. 2022

- Created a text-based interactive GUI-based user interface for image processing using SOLID principles of Single Responsibility and Open-Closed Principle in order to easily maintain and understand code
- Designed Model View Controller architecture to organize code and command design to encapsulate commands
- Provided image manipulation operations blur, sharpen, brighten, darken, greyscale, hor/vert flip, etc
- Supported loading and saving image-path image-name in multiple file formats (JPEG, PNG, PPM, BPM)

Marble Solitaire | Java

Oct. 2022

- Created a marble solitaire game in Java with standard, triangular and hexagonal board shapes with adjusted movement patterns
- Applied abstraction and composition to minimize code reuse functionality of similar board sizes
- Utilized Object Oriented Design principle of Model View Controller in order for user to use controller as they play which manipulates the model and updates the view to the user

Personal Website | HTML-CSS-JavaScript

Oct. 2022

- Designed personal website in HTML and CSS to post about personal interests, mosque updates, clubs, skills, and personal projects. Will be launched using GitHub

WORK EXPERIENCE:

AICP Mosque, Revere, MA

Sept. 2018 - Present

Volunteer Organizer

- Mentor younger students in the Arabic language and in Quranic recitation
- Establish and form volunteer groups for various events, ranging from public service and internal affairs
- Develop demolition and construction teams of volunteers for the construction of a new Elementary School

Revere Boxing Outreach, Revere, MA

June 2022 - Present

Student Coach

- Coach younger students in boxing and in overall healthy well-being
- Communicate with sponsors of the gym, Revere Police Department, to improve the overall program
- Teach students how to safely use gym equipment, ranging from weights to boxing gear

Salemwood Elementary, Malden, MA

Sept. 2018 - 2019

After School Tutor

- Instructed about 20 3rd Graders mainly revolving around MCAS prep
- Supported students in completing their homework assignments
- Provided an inclusive and engaging learning environment, by communicating clearly and concisely to students

Extracurricular Involvement and Interests: Boxing | Reading | IM-Sports | Anime | Football