Johnny Boustany

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Contact

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Skills & Interests

• Full-Stack Web Developing, AI/ML, Computer Graphics, Visual Computing
• Python, Java, JavaScript, HTML/CSS, React, Angular, SQL, C
• MATLAB, SolidWorks, OnShape, AutoCAD, Adobe After Effects & Premiere Pro
• English (Native Fluency), Arabic (Native Fluency), French (Conversational)
• Surfing, Videomaking, Environmental Advocacy

Coursework

Object-Oriented Programming, Algorithms & Data Structures, Deep Learning, Software Engineering, Compilers & Program Analysis, Multi-Variable Calculus, Statistical Inference, Computer Aided Visualization and Design

Awards & Honors

• American Community School of Beirut (High School) – National Honor Society, Valedictorian 4.00 GPA
• Brown University – Elected to Sigma Xi, The Scientific Research Honor Society

Education

Brown University
Providence, RI
• B.Sc. Mechanical Engineering   2018-2022, GPA: 3.70
• M.Sc. Computer Science   Expected Graduation 2023, GPA: --

Experience

Beytek SAL Offshore   Jal El Dib, Lebanon

Software Engineering Intern   Summer 2022

Stack: JavaScript, Angular, HTML/CSS
• Redesigned the dashboard page of the Customer Portal and enabled 30+ employees to cater to customer needs using a streamlined, intuitive UI
• Built a reactive to-do list application with 3 routes and multiple forms

Brown University,   Providence, RI

Student Researcher at Harris Lab   Spring 2022

Stack: Python (Tkinter, PyAudio)
• Designed a GUI wave generator app to allow users to produce and plot sine wave signals with adjustable frequencies and time durations

Engineering Intern at Tripathi Lab   Summer 2021
• Operated the Agilent 2100 Bioanalyzer software on Developer Mode

S. & A. S. Co. Ltd   Jieh, Lebanon

Computer Engineering Intern   Summer 2020

Stack: C
• Debugged a program for the STM32G030 microcontroller to improve performance of the UCM Relay product
• Built a paint application for the 7" screen TFT Indicator product and implemented it by programming a STM32F429 microcontroller

Brown-RISD Arab Society, Upper-Class Rep.   Sep. 2020 – Dec. 2021
Brown Refugee Youth Tutoring, Mentor   Sep. 2019 - Present

Projects

Typeically   Spring 2022
  Stack: Java, SQL, JavaScript (React)
• Platform that allows users to type to the lyrics of their favorite songs for entertainment and typing practice
• Uses an SQL database to display user submissions in a leaderboard and uses Genius and Spotify APIs to obtain song information

Texture Classifier   Spring 2022
  Stack: Python (TensorFlow)
• Uses 2 base deep learning models, ResNet and VGG, to classify texture

NanoFish Matcher   Fall 2022
  Stack: Java
• Uses bloom filters to match similar fish species to each other
• Implements a generic REPL and re-usable CSV parser