Mazin Abubeker

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EDUCATION

University of California, San Diego   **Graduation: December 2020**
Bachelor of Science | Computer Science

RELEVANT EXPERIENCE

GSVlabs   **San Mateo, CA**
Software Engineering Intern   June 2019 – October 2019

- Developed an end-to-end entrepreneur mentorship platform for King Saud University in a $50k contact
- Created and employed efficient HTML, JavaScript, and CSS methodology to achieve a responsive yet elegant reproduction of GSVlabs' proprietary software, Passport
- Collaborated with the GSVlabs engineering and enterprise innovation teams daily through agile development

Audio Analyzation and Visualization App   **San Ramon, CA**
Personal Project   March 2018 – June 2018

- Utilized fast Fourier transform to sample music or microphone input over small buffer sizes, indexing the frequencies and their respective amplitudes for beat detection
- Developed analyzation software in JavaScript to create visualizations that react to the intensity of specific frequency ranges, such as spectrograms and dynamic particle effects
- Built an API that allows for ease of creation of different visualizations

Diablo Valley College and Private Tutoring   **San Ramon, CA**
Computer Science, Math, Physics, English   August 2014 – Present

- Taught students privately in mathematical subjects ranging from Pre-Algebra to Calculus, and aided students in English classes to strengthen their essay writing and analyzation skills
- Worked as a tutor for my college to teach students in subjects ranging from Trigonometry to Multivariable Calculus, Differential Equations and Linear Algebra
- Assisted computer science students in algorithm design and data structures, and helped physics students in consolidating pivotal concepts in thermodynamics and electromagnetism

SKILLS & STRENGTH

Programming Languages: C++, Java, Python, HTML5, CSS, JavaScript
Frameworks: ReactJS, NodeJS, jQuery
Operating Systems: Windows, Mac OS, Linux
Languages: English (Native), Fluent Arabic

VOLUNTEER EXPERIENCE

Habitat for Humanity *Volunteer Builder*   **Martinez, CA**   April 2015 – June 2015

- Assembled steel water pipe structures and set wooden foundations on sites such as the Muir Ridge Development site that erected a 14-home complex for those in need

City Lights Volunteer Program *Volunteer*   **San Ramon, CA**   November 2014 – May 2016

- Helped organize various community-wide events such as 5K marathons and park maintenance and clean up