

Mazin Abubeker

mazinabubeker.com | 925-357-5822 | mazinabubeker1123@gmail.com

EDUCATION

University of California, San Diego

Bachelor of Science | Computer Science

Graduation: December 2020

- Geometric Computer Graphics
- Theory of Computation
- Algorithm Design and Analysis
- Digital System Components and Design
- Introduction to Cryptography
- Advanced Data Structures
- Software Engineering
- Statistical Methods

RELEVANT EXPERIENCE

Software Engineering Intern – GSVlabs

San Mateo, CA June 2019 – October 2019

- Developed an end-to-end entrepreneur mentorship platform for King Saud University in a \$50k contract
- 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

Mathematics Tutor – Diablo Valley College

San Ramon, CA August 2016 – June 2018

- Worked as a tutor for my college and taught numerous 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

3D Projection – Personal Project

September 2019 – November 2019

- Utilized the perspective projection of a points onto a 2D plane to render 3D models in vanilla JavaScript
- Implemented transformations such as rotation and skew to modulate the points' positions according to user input
- Created an interface illustrating examples with perlin noise maps and 3D function graphing using a JavaScript canvas and overlaying CSS

SKILLS & STRENGTH

Skills: End-to-end web development, functional and performant UI/UX with vanilla JavaScript and CSS

Programming Languages: C++, JavaScript, Python, Java, HTML5, CSS

Frameworks: ReactJS, NodeJS, jQuery

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 charity marathons and park conservation events