Ahmaad Idrees

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EDUCATION

University of San Francisco | San Francisco, CA   *Fall 2020*

• Bachelor of Science in Computer Science

Relevant Courses: Senior Team Project, Computer Architecture, Software Development, Programming Paradigms, Blockchain, Operating Systems, Data Structures and Algorithms, C and Systems Programming, Computing Mobile Apps and the Web

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TECHNICAL SKILLS

• **Programming Languages:** Python , Java , C, GoLang, Javascript

• **Website/Application Development:** HTML, CSS, Flask, DreamWeaver, Android Studio, App Inventor, Thunkable, React

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NOTABLE PROJECTS

Rapid Website Creation Studio   *Fall 2020*

- Worked in collaboration with both a sponsor and a team to implement a front-end using React for a existing Python-based back-end
- The application offers users with little to no web development experience the ability to easily create customized, and fully personalized websites through the dynamic rendering of pre existing html code fragments
- Managed design approach, project plan, and schedule, utilizing the agile framework

ARM Assembler   *Fall 2020*

- Designed an assembler in C to generate an executable binary file or hex file given a source file
- Developed a scanner to scan the given assembly file for specific tokens, a parser to construct a parse tree from the tokens just scanned, and a code generator which generates hex code based on the parse tree that was just created

Search Engine   *Spring 2020*

- Built a search engine with an inverted index data structure, a searchable inverted index, a multithreaded inverted index, and a web crawler
- Deployed on the Eclipse Jetty Server

Blockchain   *Fall 2019*

- Created block and blockchain structs in GoLang
- Implement proof of work as well as Nakamoto consensus to verify blocks prior to being added to the blockchain

Command Line Shell   *Spring 2019*

- Developed a fully functional command line shell in C
- Implemented several features of the command line including changing directories, displaying the history of commands entered, rerunning specific commands, and more

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LEADERSHIP, EXPERIENCE & AFFILIATIONS

The Shaveroom, Freelance Web Developer | Pleasanton, CA   *Spring 2023 - Present*

- Currently working on a full stack scheduling web application for a barber using the MERN stack
- Designed and developed the user interface to ensure an easy-to-use experience for both the barber and customer
- Customers can easily book appointments based on the barber's availability, which the barber can easily adjust through a secured admin panel

SealTech Pavement Co., Freelance Web Developer | San Francisco Bay Area, CA   *Spring 2023 - Present*

- Currently developing a full stack web application for an asphalt company using the MERN stack
- Collaborated closely with client during final designs of the website to guarantee customer satisfaction
- The responsive website displays information about the different services offered by Shield Tech Pavement Co
- The website also has a secured admin panel that enables the site owners can make updates to the website dynamically

Arbor Connect, Freelance Web Developer | San Francisco Bay Area, CA   *Fall 2021 - Present*

- Developed, deployed, and maintain arborconnect.net, an active menu for a cannabis dispensary using ReactJS
- Collaborated with client during the design process prior to development, to ensure customer satisfaction
- Used the Commerce.js api in addition to several parsing methods to provide desired functionality for product manipulation

Waymo via Artech L.L.C, Software Quality Operations Associate | Mountainview, CA   *Summer 2021 - Spring 2023*

- Employed by Artech, supporting Google
- Used internal tools to analyze real, as well as simulated driving events to detect potential safety issues within Waymo's autonomous driving software
- Onboarded as well as mentored multiple new joiners

Kade's Kloset, Freelance Web Developer | San Francisco Bay Area, CA   *Summer 2021*

- Designed, developed, and deployed thekadeskloset.com, a full stack ecommerce clothing store using ReactJS for the frontend and NodeJS for the backend
- Provided customer with detailed wireframe entailing all of the specifications prior to development
- Used the Commerce.js api to handle retrieving products in the frontend as well as for handling shopping carts, used the Stripe api to execute payments in the backend, used the EmailJS api to handle receipts

Direct Home Services, Home Theater Technician Intern | San Francisco, CA   *Summer 2019*

- Managed communication with customers and built strong interpersonal connections to deliver the best system layout design for each customer's home
- Programmed home automation control systems

Destination Science, Teacher | Seattle, WA   *Summer 2018*

- Led instruction on various science experiments, including dissections, to promote and encourage STEM education for elementary students
- Managed sites of up to 50 students and conducted lessons daily
- Organized activities to instill core concepts of each subject