Shubh Sheth

Computer Science Student & Aspiring Software Engineer

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SKILLS SUMMARY

- **Languages**: C, C++, Python, JavaScript, Java, PHP, HTML, CSS, SASS, SQL, Typescript
- **Frameworks**: React, Angular, Tkinter, jQuery, Bootstrap, Material UI, WordPress, Laravel, Magento2
- **Technologies**: Docker, Node.js, Git, MongoDB, GraphQL, MySQL, NoSQL, Flask, Express, AWS, GCP, Arduino
- **Additional**: CI/CD, Unit Testing, Chrome Dev Tools, Agile Workflow, Scrum, Kanban, Linux, GitHub, AWS S3

EDUCATION

University of Houston — Aug 2019 - Dec 2021
Bachelors of Science in Computer Science — *GPA: 3.76*

Relevant Courses: Data Structures, Algorithms, Operating Systems, Software Design, Software Engineering, Computer Networking, Database Systems, IOS App Development, Data Science, Digital Image Processing

EXPERIENCE

NASA — Houston, TX
Software Engineering Intern (Contractor) — *June 2021 - Present*

- Interns as a developer in RPL and contributes to building cockpit displays on Orion space capsule.
- Assisted in Flask app development, by re-designing the entire front-end UI and improving UX on core functionalities.
- Developed a simulation tool in python to generate documentation images and graphical interface of cockpit displays, resulting in 5x better efficiency compared to its predecessor.

Regex SEO — Houston, TX
Full Stack Web Developer — *Oct 2017 - May 2021*

- Architected and developed 75+ websites utilizing PHP, JavaScript, jQuery, CSS, Bootstrap.
- Built test case suite and development standards that eliminated 45% of the bugs in all later projects.
- Solely maintained entire company infrastructure (linux based) to host all company and client applications.
- Principle developer on in-house Node.js applications utilizing Twilio and Sendgrid APIs for improved data collection.

LEADERSHIP EXPERIENCE

CougarCS (ACM Chapter) — Houston, TX
Vice President — *May 2021 - Present*

- Grew club from 85 to 250+ members through enhanced career development events and 10+ company info sessions.
- Led a technical transition to centralize all organization's online resources to AWS and Cloudflare.
- Collaborated to plan virtual school hackathon (CodeRED Artemis) for 300+ attendees.
- Founded the mock interviewing program to mentor and prepare students for technical coding interviews.

CougarCS (ACM Chapter) — Houston, TX
Webmaster — *Sept 2020 - May 2021*

- Architected an online payment system with Stripe to streamline the member registration process and eliminate over 100 hours of manual labor.
- Hosted several computer science workshops over concepts such as AWS, React, Git & GitHub.
- Assembled and mentored a committee of over 15 students to develop CougarCS's React website.
- Technologies worked with: JavaScript, Node.js, React, AWS, Bootstrap, Express

SELECTED PROJECTS

HomeKit Soil Sensor — June 2021

- Constructed an Arduino based soil sensor that connects with Apple's HomeKit app to send moisture data.
- Programmed the microprocessor to connect to wifi and communicate the sensor data to HomeKit devices.
- Project URL: https://github.com/shubhsheth/iot-moisture-sensor

E-Commerce Site (femrico.com) — Aug 2020

- Developed a custom WooCommerce website with PHP, which sold $1000+ worth of products in a month of operation.
- Integrated with Slack API to get order notifications using Cloud Functions.
- Project URL: https://github.com/Femrico/taffy

Personal Cloud Server — Nov 2019

- Built a Linux web server with a RAID5 disk configuration.
- Uses Docker to run a personal cloud which is ensured by 3 levels of data redundancy.

Rubix Music App — Feb 2018

- Built an Angular based front-end with TypeScript to play music from a personal library.
- Paired with a custom backend PHP API to retrieve data from a MySQL database.

Pi RoboCar — Sept 2017

- Assembled a robotic car on raspberry pi, uses python for navigation and receiving instructions from a wireless remote.