

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
- **Soft Skills:** Leadership, Event Management, Technical Writing, Public Speaking, Time Management

EDUCATION

University of Houston

Aug 2019 - Dec 2021

Bachelors of Science in Computer Science

GPA: 3.76

Courses: Data Structures, Algorithms, Computer Architecture, Automata & Computability, Operating Systems, Software Design, Software Engineering, Computer Networking, Design of Database Systems, Ubiquitous Computing, IOS App Development, Data Science, Digital Image Processing

EXPERIENCE

NASA

Houston, TX

Engineering Intern (Contractor)

June 2021 - Present

- Interns as a developer in RPL and contributes to building cockpit displays on Orion space capsule.
- Developed a python simulation to generate an interactive graphical interface for cockpit displays.
- Assisted in Flask app development for an in-house technical documentation app and user story building.

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 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, University of Houston

Houston, TX

Vice President

May 2021 - Present

- Led a technical transition to centralize all organization's online resources to AWS and Cloudflare.
- Implemented a backlog management system, actively involved with club committees, and assisted in event management.
- Founded the mock interviewing program to mentor and prepare students for technical coding interviews.

CougarCS, University of Houston

Houston, TX

Webmaster

Sept 2020 - May 2021

- Architected an online payment system with Stripe to streamline member registration process.
- Hosted several computer science workshops over concepts such as AWS, React, Git & GitHub.
- Assembled and mentored a committee of 15+ students to develop CougarCS's React website.
- Tech Stack: 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.