

Shubh Sheth

Computer Science Student & Aspiring Software Engineer

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EDUCATION

University of Houston, Bachelor of Science | GPA: 3.748

Dec 2021 (Expected)

Major in Computer Science & Minor in Mathematics

WORK EXPERIENCE

IMOC Intern | NASA - Johnson Space Center, Houston TX

June 2021 – Present

- Serves on a small team focused on rapid prototyping and involved in multiple Orion missions.
- Built various tools that aided bottlenecks in development workflow among engineers.
- Developing simulation of cockpit displays to visualize changes between different versions which eases technical documentation and experimentation of different scenarios.

Full Stack Web Developer | Regex SEO, Houston TX

Oct 2017 – May 2021

- Collaborated with the marketing and the design team to build 20+ websites for clients, that involved working with PHP, JavaScript, jQuery and CSS.
- Reduced 30% of the bugs in the final products by planning development standards & quality assurance policies.
- Appointed as System Administrator for multiple Linux servers to maintain 99% uptime and perform routine updates.
- Built a call tracking system with Twilio that improved collection of marketing data by connecting phone leads to marketing channels (used by 5+ companies).
- Work Projects: ml.rocks, vivacancun.us, regexseo.com, inspiritcollections.com

LEADERSHIP EXPERIENCE

Vice President at CougarCS, University of Houston

May 2021 – Present

Webmaster at CougarCS, University of Houston | cougarcs.com

Sept 2020 – May 2021

- Developed an online payment system with Stripe API to enable online member registrations.
- Hosted several computer science workshops over various concepts (Git, Github, React, AWS)
- Assembled a committee of students for actively maintaining the website and building new features on it.

TECHNICAL SKILLS

- **Programming Languages** - C++, Python, JavaScript, Java, HTML/CSS, PHP, SQL, Batch Script, TypeScript, SASS, R
- **Technologies** - Docker, Docker Compose, Git, Amazon Web Services (AWS), Google Cloud Platform, Arduino, Raspberry Pi, Linux, GraphQL, MongoDB
- **Libraries & Frameworks**: React, Angular, Node.js, AWS SDKs, Tkinter, Mocha, Chai, jQuery, Bootstrap, Material UI
- **Additional**: CI/CD, Unit Testing, Firebase, Agile Scrum & Kanban, Cloudflare, GitHub, Figma, Netlify, AWS S3 & Lambda

PROJECT EXPERIENCE

- **E-Commerce Site** (femrico.com) - Developed a custom WooCommerce based site with PHP and SCSS, sold \$1000+ products in a month of operation. Integrated with Slack API to send order notifications using Google Cloud Function.
- **Personal Cloud Server** - Ensured by 3 levels of data redundancy, built a Linux web server which uses Docker to run a personal cloud and an entertainment system.
- **HomeKit Soil Sensor** - Built an arduino based soil sensor that connects with Apple's HomeKit app and constantly sends moisture data. Programmed on the microprocessor to connect to wifi and read/send sensor data.
- **Raspberry Pi Robot Car** - Assembled a robotic car from a raspberry pi board. Uses python to get instructions from a wireless remote for moving front/back and turning.
- **Music App** - Built an Angular based site using TypeScript to play music from a personal library. Connects with a backend PHP API to retrieve data. Utilizes Chrome notifications for enhanced media control on mobile devices.

PUBLICATIONS

- **Regex SEO Blog** - regexseo.com/blog/author/shubhsheth/ | **Personal Blog** - iamshubh.com/blog