

SYED H. HUSAIN

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EDUCATION

University of Texas at Austin	Bachelor of Science, Computer Science GPA: 3.57 Minor: Business Administration Leadership: <ul style="list-style-type: none">Financial Director; UTCS RoadshowWebmaster; Nueces Mosque	Dec 2021
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TECHNICAL SKILLS

- **Proficient:** Java, Microsoft Azure, HTML, CSS, IBM Watson, BeautifulSoup, Tableau
- **Familiar:** C++, C, Python, JavaScript, Django, Git, ParseHub

EXPERIENCE

Research Assistant; Intelligent Environments Lab, UT Austin – Austin, TX May 2020 – July 2020

- Contributed to a research study examining the impacts of Covid-19 on civil infrastructure
- Developed a robust crawler using the BeautifulSoup Python library to scrape Covid-19 data from various websites based on locations, demographics, and mobility patterns
- Ran the crawler on an everyday basis to collect and organize data points in JSON and CSV formats

Software Engineering Intern; San Jacinto College – Pasadena, TX Aug 2018 – Dec 2018

- Built a chatbot which eliminated waiting times by 48% for students by automating responses to hundreds of frequently asked questions about admission and financial aid processes
- Designed an interactive user interface in CSS and deployed the chatbot to the main website
- Implemented a pipeline from the main server to the iOS app using Python's framework Django to securely integrate student, staff, and faculty data

Program Assistant; San Jacinto College – Pasadena, TX Jan 2018 – Aug 2019

- Established an intranet website to store and access the internal data, resulting in increased traffic by up to 125% and average session length of 25 minutes within 60 days of launch
- Collaborated with cross-department managers to produce roughly 20 promotional and educational videos, courses, and flyers
- Decluttered source data in the learning management system for new upgrades and rollouts

PROJECTS

The Dazed Maze Aug 2020

- Built a text-based maze game in Java in which the player navigates through several rooms to reach the target location
- Incorporated principles of Object-Oriented Programming and Data Structures to organize the codebase

Protect the Paywall Aug 2020

- Developed an algorithm to find security flaws in major newspaper sites regarding paywalls on web pages
- Utilized JavaScript to detect vulnerabilities and reported them to the site engineers

Story Gone - Hide Stories on Facebook Jan 2020

- Designed a Google Chrome extension that allows users to hide the stories widget on Facebook
- Implemented CSS to make the webpage adapt to the new styling guidelines

Stutterless Nov 2019

- Created an iOS application in Hack TX Hackathon that uses machine learning to recognize stuttering and provide real-time feedback
- Collected speech data and trained the model in Microsoft Azure, resulting in an 86% accuracy rate

ACCOMPLISHMENTS

- Louis E. Rosier Memorial Undergraduate Scholarship Aug 2020
- Coca-Cola Leaders of Promise Scholarship Aug 2018
- Outstanding Student Employee of the Year Mar 2018