

# SYED H. HUSAIN

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## EDUCATION

<b>University of Texas at Austin</b>	Bachelor of Science, Computer Science   GPA: 3.57 Minor: Business Administration Leadership: <ul style="list-style-type: none"><li>Financial Director; UTCS Roadshow</li><li>Webmaster; Nueces Mosque</li></ul>	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

<b>Research Assistant; Intelligent Environments Lab, UT Austin</b> – Austin, TX	May 2020 – July 2020
<ul style="list-style-type: none"><li>• Contributed to a research study examining the impacts of Covid-19 on civil infrastructure</li><li>• Developed a robust crawler using the BeautifulSoup Python library to scrape Covid-19 data from various websites based on locations, demographics, and mobility patterns</li><li>• Ran the crawler on an everyday basis to collect and organize data points in JSON and CSV formats</li></ul>	
<b>Software Engineering Intern; San Jacinto College</b> – Pasadena, TX	Aug 2018 – Dec 2018
<ul style="list-style-type: none"><li>• 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</li><li>• Designed an interactive user interface in CSS and deployed the chatbot to the main website</li><li>• Implemented a pipeline from the main server to the iOS app using Python's framework Django to securely integrate student, staff, and faculty data</li></ul>	
<b>Program Assistant; San Jacinto College</b> – Pasadena, TX	Jan 2018 – Aug 2019
<ul style="list-style-type: none"><li>• 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</li><li>• Collaborated with cross-department managers to produce roughly 20 promotional and educational videos, courses, and flyers</li><li>• Decluttered source data in the learning management system for new upgrades and rollouts</li></ul>	

## PROJECTS

<b>The Dazed Maze</b>	Aug 2020
<ul style="list-style-type: none"><li>• Built a text-based maze game in Java in which the player navigates through several rooms to reach the target location</li><li>• Incorporated principles of Object-Oriented Programming and Data Structures to organize the codebase</li></ul>	
<b>Protect the Paywall</b>	Aug 2020
<ul style="list-style-type: none"><li>• Developed an algorithm to find security flaws in major newspaper sites regarding paywalls on web pages</li><li>• Utilized JavaScript to detect vulnerabilities and reported them to the site engineers</li></ul>	
<b>Story Gone - Hide Stories on Facebook</b>	Jan 2020
<ul style="list-style-type: none"><li>• Designed a Google Chrome extension that allows users to hide the stories widget on Facebook</li><li>• Implemented CSS to make the webpage adapt to the new styling guidelines</li></ul>	
<b>Stutterless</b>	Nov 2019
<ul style="list-style-type: none"><li>• Created an iOS application in Hack TX Hackathon that uses machine learning to recognize stuttering and provide real-time feedback</li><li>• Collected speech data and trained the model in Microsoft Azure, resulting in an 86% accuracy rate</li></ul>	

## 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