

Halil Hamscho

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EDUCATION

The University of Texas at Austin	Bachelor of Science in Mechanical Engineering Certificate in Computer Science GPA: 3.98/4.00	Dec 2025
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TECHNICAL SKILLS

Programming Languages: Python, JavaScript, HTML/CSS, PHP, MATLAB, SQL, Java

Libraries/Frameworks: Pandas, NumPy, Scikit-Learn, Beautiful Soup, Matplotlib, Jupyter Notebook, PyGame, AJAX, jQuery, JUnit

Developer Tools: Git, Gitlab, VSCode, IntelliJ

PROFESSIONAL EXPERIENCE

Goldman Sachs – <i>Software Engineering Intern</i> ; Dallas, Texas	June 2024 – August 2024
<ul style="list-style-type: none">Created a new regression testing setup from scratch, leveraging Java, Cucumber, and Behavior-Driven Development (BDD) methodologies.Developed and implemented test cases using JUnit, configuring them for execution on custom GitLab runners.Prepared a versatile testing framework for various environments, including 7 acceptance tests with 35 Step Definitions, ensuring readiness for production releases.	
Dell Technologies – <i>Supply Chain Intern</i> ; Austin, Texas	June 2023 – August 2023
<ul style="list-style-type: none">Implemented and executed a comprehensive review of existing containment strategies across the Infrastructure Solutions Group (ISG) global operations, identifying areas for improvement and alignmentDeveloped and enhanced coding skills to design and implement software solutions, streamlining containment processes and improving data analysis capabilitiesDemonstrated strong program management skills by coordinating and tracking progress of containment initiatives, ensuring timely resolution and minimizing impact on product quality	

LEADERSHIP EXPERIENCE

Society of Hispanic Professional Engineers – <i>Academic Development Director</i>	June 2021 – June 2023
<ul style="list-style-type: none">Engineered and enhanced an extensive test bank, benefitting over 200 members, to bolster academic excellence and navigate through rigorous academic challenges.Provided holistic academic support, integrating mental health awareness and extensive tutoring resourcesDrove a strategic scholarship campaign, successfully mobilizing over \$30,000 in funding, directly augmenting the educational pursuits and success of our members.	
Ramshorn FIG Mentor & Academic Coach	Jan. 2022 – Dec. 2023
<ul style="list-style-type: none">Developed and executed a 15-week curriculum aimed at helping incoming First-Year students effectively engage with their newfound college environmentLed and facilitated a seminar of 25 incoming First-Year students that met weekly throughout the semesterProvided first-hand experience and peer support through the transition from high school to higher education	

PERSONAL PROJECTS

AI Chatbot Web Application Developer – <i>JavaScript, MongoDB, Node.js, React</i>	Spring 2024
<ul style="list-style-type: none">Developed an AI Chatbot web application for banking and financial queries as part of a team effort in a 24-hour hackathon, using the MERN Stack (MongoDB, Express.js, React, Node.js).Integrated OpenAI's API to power the chatbot, enabling advanced, context-aware responses to complex banking queries.Implemented features for real-time response to user inquiries and secure storage of chat interactions, enhancing user experience and data privacy.Collaborated effectively in a high-pressure environment, demonstrating rapid learning and adaptation in software development	
Scholar Sorter: Automated Scholarship Discovery Tool – <i>Python</i>	Fall 2023
<ul style="list-style-type: none">Developed an automated web scraping tool using Python and the Beautiful Soup library, targeting a major scholarship database to aid students in efficient scholarship discovery.Engineered a keyword-based filtering algorithm that parses through over 1,000 scholarship entries, allowing users to pinpoint opportunities tailored to their specific needs and backgrounds.Increased accessibility to scholarship information, particularly benefiting students from underprivileged backgrounds by reducing search time by over 50%.	

AWARDS & AFFILIATIONS

Cockrell School of Engineering Distinguished College Scholar	June 2021 – Present
Hispanic Scholarship Fund Scholar	June 2021 – Present
HITEC Foundation Scholar	June 2023 – Present
Benjamin A. Gilman International Scholar	May 2022 – Present