

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	May 2025
Relevant Course Work	Data Structures and Algorithms, Engineering Computational Methods, Elements of Web Programming, Elements of Software Engineering	

TECHNICAL SKILLS

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

Libraries/Frameworks: Pandas, NumPy, Scikit-Learn, BeautifulSoup, Matplotlib, PyGame, MySQL, AJAX, jQuery, JUnit

Developer Tools: Git, GitLab, VSCode, IntelliJ, Jupyter Notebook, SolidWorks, FEA

PROFESSIONAL EXPERIENCE

Goldman Sachs – <i>Software Engineering Intern</i> ; Dallas, Texas	June 2024 – August 2024
<ul style="list-style-type: none">Leveraged Java, Cucumber and Behavior-Driven Development (BDD) to create a robust regression testing framework from scratchDeveloped and automated JUnit test cases tailored for automated execution on custom GitLab CI/CD pipelines, ensuring consistent, high-quality test runs with improved efficiency and coverageBuilt a versatile testing framework encompassing 7 acceptance tests with 35 unique step definitions to handle various deployment environments	
Dell Technologies – <i>Supply Chain Intern</i> ; Austin, Texas	June 2023 – August 2023
<ul style="list-style-type: none">Identified key areas for operations and process improvement by conducting a comprehensive review of containment strategies across international original design manufacturers (ODMs)Streamlined containment processes by implementing data-driven software solutions that optimized Dell parts and component analysisDemonstrated effective program management by coordinating and tracking containment initiatives, ensuring on-time resolution and improving overall product transformation	

LEADERSHIP EXPERIENCE

Society of Hispanic Professional Engineers - <i>Academic Development Director</i>	June 2021 – June 2023
<ul style="list-style-type: none">Engineered and expanded an extensive test bank that supported 200+ members, enhancing academic development and providing essential resources to navigate academic challengesLed a strategic scholarship campaign, successfully securing more than \$30,000 in funding, directly supporting the educational goals and academic success of members	
Cockrell School of Engineering - <i>Mentor and Academic Coach</i>	January 2022 – December 2022
<ul style="list-style-type: none">Developed and implemented a 15-week curriculum designed to help incoming first-year students effectively navigate and engage with their new college environmentLed and facilitated a weekly seminar for 25+ first-year students, fostering academic success and personal growth throughout the semester	

PROJECTS

LPL Autonomous V1 – <i>JavaScript, MongoDB, Node.js, React</i>	January 2024
<ul style="list-style-type: none">Developed a full-stack web application using the MERN stack (MongoDB, Express.js, React, Node.js) within a 24-hour hackathon, implementing secure login features with JWT cookies and delivering a dynamic front endEngineered a modern backend using JavaScript and MongoDB, enabling robust connections, secure data management and seamless ChatGPT API integration	
Scholar Sorter - <i>Python</i>	December 2023
<ul style="list-style-type: none">Developed an automated web scraping tool using Python and BeautifulSoup, targeting a major scholarship database to streamline and enhance students' scholarship discovery processEngineered a keyword-based filtering algorithm that efficiently parsed through over 1,000 scholarship entries, enabling users to identify opportunities tailored to their unique backgrounds and academic needs	