

# Mustafa Sahin

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## WORK EXPERIENCE

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### Baylor College of Medicine - Intern/Aide, Office of Research

Starting June 2024 | Houston, TX

- Scheduled to join the Office of Research, focusing on supporting research initiatives and operations as part of a multidisciplinary team.

### Arbimed, Inc. - Software Engineer Intern

June 2023 – August 2023 | The Woodlands, TX

- Led product localization efforts, enhancing international user engagement.
- Collaborated in a Git-based workflow, upholding code integrity and promoting seamless team coordination.

### Texas Health Supply, Inc. - Software Engineer Intern

May 2022 – August 2022 | Tomball, TX

- Developed a Python-based desktop application that streamlined warehouse inventory management, led staff training for smooth adoption, and achieved a 30% increase in operational efficiency.
- Contributed to the relaunch of the Inventory Management System and the development of an iOS app.

## LEADERSHIP EXPERIENCE

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### Team Leader - Full Stack Web Application Project

January 2024 – April 2024 | Database Systems Class, University of Houston

- As Team Leader for a Database Systems class project, I directed the development of a full-stack web application utilizing Node.js, React, and MySQL. My responsibilities included managing team dynamics, coordinating with our professor, and ensuring the project adhered to its timeline. This role significantly sharpened my technical expertise and leadership skills.

## PROJECTS

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### Mouse Control with Hand Gestures – Python, OpenCV, MediaPipe, PyAutoGUI, Git

- Developed a system for controlling the mouse cursor with hand gestures, showcasing real-time computer vision and interaction capabilities.

### Inventory Tracker – Python, Django, SQL, HTML, CSS, JavaScript, Bootstrap, Git

- Developed a comprehensive inventory management system, enabling users to create accounts, manage inventories, track product transactions, and view detailed product information.

### Image Classifier – Python, Flask, HTML, CSS, JavaScript, NumPy, Tensorflow, Git

- Built a web app that uses advanced machine learning models to recognize and classify objects in uploaded images.

### Socket-based Entropy Calculation – C++, UNIX Sockets, Network Programming, Multithreading

- Developed a distributed entropy calculator using multithreaded programming and interprocess communication via UNIX sockets.

### Link Tracker – JavaScript, HTML, CSS, Chrome APIs, Git

- Engineered a Chrome extension for managing and organizing URLs, improving productivity and web browsing efficiency.

## EDUCATION

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### University of Houston - Bachelor of Science in Computer Science, Minor in Mathematics

August 2021 – Expected: May 2025 | Houston, TX

- Cum. GPA: 3.7 | In-Major GPA: 4.0
- Relevant Coursework:
  - Data Structures and Programming, Computer Organization and Structure, Calculus II, Linear Algebra, Statistics, Discrete Math, Operating Systems, Data Science and Machine Learning, Database Systems, Algorithms and Data Structures, Engineering Mathematics
- Honors: Dean's List Fall 2021, Spring 2022, Fall 2022, Spring 2023, Fall 2023

## TECHNICAL SKILLS

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- **Languages:** Python, Java, C++, C#, PHP, R, HTML5, CSS3, JavaScript
- **Frameworks and Technologies:** Django, Flask, React.js, Express.js, Node.js, .NET, ASP.NET, Bootstrap, Tailwind, TensorFlow, PyAutoGUI, MediaPipe, OpenCV, Keras, PyTorch, Git, GitHub, MySQL, MongoDB, Azure, Heroku