

# PETER JOHN MENDOZA

Houston, TX (Open to Remote/Relocation) | (832) 584-1636 | [peterjohnm2002@gmail.com](mailto:peterjohnm2002@gmail.com)  
[linkedin.com/in/peter-john-mendoza/](https://www.linkedin.com/in/peter-john-mendoza/) | [github.com/petermendoza](https://github.com/petermendoza) | [petermendoza.me](https://petermendoza.me)

## EDUCATION

**University of Houston** - Bachelors of Science, Computer Science, GPA: 3.56 **Aug 2022 - Dec 2024 (Expected)**

**Houston Community College** - Associate of Science, Computer Science, GPA: 3.86 **2022**

- Also pursuing a **minor** in **Mathematics**
- Relevant Coursework: *Database Systems, Operating Systems, Algorithms and Data Structures, Programming and Data Structures, Computer Organization and Architecture, Introduction to Automata and Computability*
- Clubs: CougarCS - Member

## TECHNICAL SKILLS

**Languages** | C++, Python, HTML/CSS, Javascript, SQL

**Tools** | Git/GitHub, Microsoft Azure, Microsoft SQL Server, MySQL, MongoDB

**Frameworks/Libraries** | React, Express.js, Node.js, numpy, OpenCV, JWT, Dotenv, Mongoose

## EXPERIENCE

**Tutoring** **Jan 2022 - Present**

*For Mathematics and Computer Science coursework previously taken*

- Helped peers with Math and Computer Science coursework (mainly Calculus 1, Discrete Math, Intro to Programming, Programming and Data Structures)

## PROJECTS

**Project Management Systems Database** | [github.com/wuminghuanying/Team18-Project](https://github.com/wuminghuanying/Team18-Project) **Sep 2022 - Dec 2022**

*Full-stack, web app* HTML | C# | ASP.net (MVC) | Microsoft Azure | SQL | Microsoft SQL Server | Git/GitHub

- Developed a web application that helps keep track of projects (budget, supervisors, etc.)
- Incorporated **role-based access control** and **security** for data using Microsoft SQL Server and ASP.NET MVC
- Designed and implemented UI for data reports/forms, login page, and entry forms into database with Razor Pages
- Deployed website and database using **Microsoft Azure**

**Shannon-Fano-Elias Coding** | [github.com/petermendoza/PA3-3360](https://github.com/petermendoza/PA3-3360) **Sep 2022 - Nov 2022**

***Multithreading** application to implement Shannon-Fano-Elias Coding* C++ | Linux (WSL) | POSIX Threads

- Developed a multi-threaded text encoder using C++ and POSIX threads (pthread) library
- Utilized mutex locks and condition variables to ensure **thread synchronization** for accessing shared data and printing results in a thread-safe manner.
- Employed dynamic memory allocation and vector containers to manage and manipulate data efficiently, providing scalability for various input sizes.

**Contact Management System API** | [github.com/petermendoza/Contact-Management-System-API](https://github.com/petermendoza/Contact-Management-System-API) **October 2023**

*Simple Personal Project* **REST API** Backend with **Node.js** Node | Express | MongoDB | JWT | bcrypt | dotenv | Mongoose

- Developed a **Node.js-based** Contact Management System API for user registration, login, and contact operations.
- Implemented user authentication using **JWT tokens** and **password hashing** for security, with token validation middleware for secured routes
- Created **RESTful** routes for managing user contacts, including **CRUD operations** (Create, Read, Update, Delete).
- Utilized **Express.js** for routing, error handling, and middleware management.
- Connected to a **MongoDB** database using **Mongoose** for data storage.