Coby Cho

Houston, TX | cobycho7@gmail.com | 713-918-9957| https://cobycho.carrd.co/

Education

University of Houston   Houston, TX
Bachelor of Natural Science in Computer Science   Graduated December 2024
GPA: 3.33
Dean's List Fall 2021
Relevant Coursework: Operating Systems, Ubiquitous Computing, Algorithms and Data Structures, Fundamentals of Software
Engineering, Data Structures, Database Systems, Software Development Practices

Projects

Country and Internet Statistics Dashboard   1/10/25 – 2/13/25
- Built a REST API with Node.js, Express, and SQL Server to manage country statistics
- Developed an Angular front end with real-time data, interactive charts, and update features
- Secured API endpoints with API key authentication; wrote unit tests using Jest for API and services
- Containerized both the backend API and front-end application using Docker, streamlining deployment and scalability.

ExploreHouston App   9/15/24-11/30/24
- Developed a location-based iOS app in SwiftUI with Mapkit and real-time event data.
- Implemented personalized onboarding, filters, and alerts using state management and dynamic UI.
- Built modular views for Q&A, reviews, and live updates to boost user engagement.

Zoo Database   9/1/22 - 12/1/22
- Collaborated on a multi-entry database system modeling zoo operations and data flow
- Designed normalized relational schema with various entities
- Implemented SQL triggers to auto-send email alerts on animal status updates

Experience

Plunkett Research Ltd.   Houston, TX
Intern   6/1/22 – 9/15/22
- Conducted SQL-based data analysis and supported statistical reporting for research datasets
- Maintained and updated 100+ entries in a live SQL database powering research dashboard and improved load times by 20% using PHP and WordPress
- Enhanced database performance through query optimization and integrity audits

---

Skills

- **Programming Languages**: Proficient in C++, Python, SQL, JavaScript (Node.js, Angular), HTML/CSS; familiar with SwiftUI and React
- **Tools & Platforms**: VSCode, Git, Postman, PyCharm, Azure Cloud, VirtualBox, SQL Server Management Studio, Jira

- **Certifications**: Microsoft Certified: Azure Fundamentals, Azure AI Fundamentals, Security, Compliance, and Identity Fundamentals