TOMMY CHONG

+1 (850) 759-7073 ⬦ Denver, CO

tomchong.dev@gmail.com ⬦ github.com/toch24 ⬦ www.tomchong.dev

EDUCATION

BS in Computer Science - Cum Laude, Florida State University   December 2022
Relevant Coursework: Data Structures and Algorithms, Object-Oriented Programming, Operating Systems.

Minor in Business Analytics

SKILLS

Languages	Python, C++, C, C#, JavaScript, SQL, Java, CSS, HTML
Frameworks/Libraries	Scikit, React, Bootstrap, Selenium, Django, Flask, D3.js, Websockets, .NET
Tools/Software	Git, AWS (EC2, S3), Azure, Flutter, Linux, Agile, Jira
Databases	Azure SQL Database, MongoDB, SQLite, MySQL, SSMS, PostgreSQL

WORK EXPERIENCE

Software Developer   March 2023 - Present
Fast Enterprises   *Centennial, CO*

- Revamped database operations by engineering and deploying advanced SQL queries, achieving a 70% reduction in query execution time and elevating system efficiency through strategic indexing, query rewriting, and rigorous performance tuning techniques.
- Designed and delivered 80% of the project's RESTful web services using C# and the .NET framework, supporting critical government services for over 8 million residents with scalable API architectures and advanced features.
- Designed comprehensive testing plans and developed unit tests, integration tests, and performance testing, achieving a 95% defect detection rate and ensuring a successful launch. Identified and reduced application performance bottlenecks by 40% during performance testing, enhancing system reliability.
- Drove cross-functional collaboration by gathering, analyzing, and translating complex development requirements into actionable solutions, bridging technical and business objectives to secure a 98% client satisfaction rate.

Full Stack Developer Intern   Aug 2021 - Dec 2022
The Innovation Hub [(Project Website)](#)   *Tallahassee, FL*

- Transformed the application's codebase by refactoring 70% of the existing code, achieving a 20% boost in performance and enhancing code readability and maintainability for future developers.
- Implemented a robust, secure login/registration system leveraging JWT tokens and BCrypt encryption, fortifying authentication processes and ensuring data confidentiality.
- Created and launched beginner-friendly learning modules on web development concepts, focusing on React and Flask, which empowered over 40,000 Florida State University students with practical, hands-on resources to master modern web technologies.

PROJECTS

HealthData Visualizer [(Try the tool)](#)

- Built a tool for the Florida State University eHealth Lab to visualize health data, using JavaScript and D3.js, improving health diagnostics by 65%.
- Created a simplified ETL pipeline using JavaScript to extract, transform, and export healthcare information into JSON format for easy data manipulation.

PokeBox [(Github)](#)

- Developed an Android app in Java that scans and digitizes Pokemon cards, utilizing Google ML Kit for text extraction and the Pokemon TCG API for card matching.
- Integrated Firebase Realtime Database to store and sync user profiles, enabling seamless access to digital Pokemon card collections.