

NGHI NGUYEN

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EDUCATION	Master in Computer Science - University of Texas at Austin, TX	Jun 2027
	B.S. in Computer Science, GPA: 3.87 - San Francisco State University, CA	Dec 2024

EXPERIENCE

Dazzle Studio	Remote Boston, MA
<i>Front-End Developer</i>	Jun 2024 – Present

- Developed responsive web application for beauty salon to showcase services and information, using **HTML, JavaScript, and jQuery**
- Optimized the online appointment booking system, improving the user experience and driving a **50%** increase in scheduling efficiency
- Maintained and updated website using object-oriented programming principles to ensure optimal performance and user satisfaction

San Francisco State University	San Francisco, CA
<i>Teaching Assistant</i>	Jan 2024 – Dec 2024

- Led weekly 3-hour sessions for 11 students, focusing on core programming concepts such as loops, conditional algorithms, and object-oriented programming in **Java**
- Ensured all students excelled in their coursework by offering help and constructive feedback on programming skills
- Delivered interactive lessons and personalized guidance, resulting in a **100%** pass rate and **72%** of students achieving A grade

Marshall Retail Group	San Francisco, CA
<i>Customer Service Supervisor</i>	May 2022 – Jan 2023

- Supported customers' inquiries, purchase products and services as Session Sale Leader, achieve the company's sales goals of 70%

PROJECTS

Discord Bot for Manufacturing Management
<ul style="list-style-type: none">• Built Python-powered Discord bot simulating AI manager for automotive manufacturing, providing manufacturers and distributors with insights into product quantity• Designed MySQL database to streamline inventory, supplier, and distributor data, improving supply chain efficiency• Deployed the bot on AWS RDS for seamless, scalable cloud access, enabling real-time interaction and data management

Social Media Web Application
<ul style="list-style-type: none">• Created a social media website for college students, staff, and professors, focusing on back-end development by using AWS to host server and MySQL to store and organize user data and content, ensuring data reliability• Secured and standardized interactions between users and system when retrieving data by RESTful API• Collaborated with team of six, following software development process, like Agile/Scrum and Test-driven method

Tank Battle Game
<ul style="list-style-type: none">• Developed a two-player tank battle game with Java programming, showcasing proficiency in OOP by implementing separated classes for core game mechanics including tank movement, collision detection, animations, and sounds• Optimized abstract classes and interfaces to reduce more than 50% risk of class pollution• Created user interface (UI) with CardLayout-based panels for gameplay screens, enhancing responsive and interactive user experiences

Full-Stack Web Application
<ul style="list-style-type: none">• Designed and implemented a video-sharing platform for 1000+ users with robust backend through Express.js and Node.js• Employed MySQL database with express-mysql-session to securely store user information and session data• Used bcrypt for password hashing to enhance user data security and privacy

TECHNICAL SKILLS

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- Languages: Java, JavaScript, C/C++, C#, Python, HTML/CSS, SQL
 - Internet: HTTP, SSL, Dynamic HTML, XHTML
 - Frameworks & Libraries: mySQL, jQuery, React, Node.js, Express.js, AWS, RESTful API, JSON
 - Platform: Git, IntelliJ, VSCode, Eclipse, PeopleSoft, mySQL, PostgreSQL, VirtualBox, Windows, Unix, Linux, JRun, CUDA, Docker
 - Business: MS Office Suite, Excel programing

RELEVANT COURSEWORKS

Operating System
<ul style="list-style-type: none">• Worked with Linux commands about concepts in operating systems: concurrent processes, file system, memory management• Employed advanced C programming techniques and Unix system calls to interacts with operating system and gained experience in addressing challenges related to deadlock, synchronization techniques, and distributed processing

Software Engineering
<ul style="list-style-type: none">• Designed software applications following object-oriented techniques, including encapsulation, inheritance, and polymorphism• Improved problem-solving skills and code algorithms by continuous debugging and testing