Michael Nguyen
Software Developer

Detail-oriented and results-driven software developer with a passion for developing innovative solutions. Proficient in Java and C#, with a strong background in designing and developing quality solutions through professional and hands-on projects. Seeking opportunities to leverage technical expertise and innovative thinking to drive impactful projects in a dynamic team setting. Eager to collaborate with development teams to build robust and sustainable software solutions.

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EDUCATION

Master of Science in Computer Science
Georgia Institute of Technology

12/2026   *Coursework GPA: 3.25*

Courses
- **Cyber Security Related:** Network Security, Advanced Malware Analysis, Computer Networks
- **Specialization Related:** Human Computer Interaction, User Interface Design and Evaluation, Educational Technology: Conceptual Foundations, Video Game Design
- **General Courses:** Mobile and Ubiquitous Computing, Introduction to Cognitive Science, Intro to Health Informatics

Bachelor of Science in Computer Science
Georgia State University

08/2013 - 12/2018   *Coursework GPA: 3.3*

Courses
- **Specialization Related:** Networks, Cybersecurity, Parallel and Distributed Computations, Web Development
- **General Courses:** Software Development, Design and Analysis of Algorithms, Programming Language Concepts, Data Structures, System Level Programming, Computer Architecture

TECHNICAL PROJECTS

Automated Game Bot (Closed Server) (07/2024)
- Developed an automated game bot using AutoIT to eliminate the need for doing daily tasks manually, enabling users to focus entirely on key events and player-versus-player events
- Engineered a script that interacts with the game client by analyzing game base address and offsets to gain control over avatar for task completion, mass control over multiple avatars on one machine and assist in combat scenarios

Spotify Music Controller (05/2024)
- Designed and implemented a personal Spotify music controller to enable multiple users to collaboratively manage the host's playlist and queue in real-time
- Developed voting functionality for users to skip current songs, leveraging a democratic system to dynamically influence play

Discord Music Bot (Private) (02/2022)
- Designed an interactive bot to join a private Discord server voice-chat to play music into the channel, giving users the opportunity to enjoy music collectively while playing games together
- Developed a bot that would integrates with YouTube, Spotify, SoundCloud to play music directly into the voice channel
- Script held live queue while letting users edit the playlist by allowing them to add, remove and skip songs

TECHNICAL SKILLS

Methodologies
Agile Methodologies, Test Driven Development, Scrum

Programming & Markup Languages
Java, C, C#, Python, C++, JavaScript, PHP, SQL, HTML, CSS, MatLab

Technical Tools & Frameworks
Git, MySQL, JUnit, Eclipse, NetBeans, IntelliJ IDEA, AngularJS, .NET, Spring

Software Suites & Programs
Microsoft Office, Adobe Photoshop, Adobe Illustrator

Platforms/OS
Microsoft Windows, Linux

Soft Skills
Team Leadership, Presentation Skills, Collaborative Problem Solving, Cross-Team Communication, Conflict Mediation

PROFESSIONAL EXPERIENCE

Computer Science Tutor
VarsityTutors

2024 - Present   *Remote*

Achievements/Tasks
- Tutored to date 35+ students, achieving a 93% pass rate
- Maintained a 4.8/5.0 student satisfaction rating by fostering an engaging and results driven learning environment
- Delivered recurring one-on-one tutoring to high school and undergraduate students in Intro to Programming and AP Computer Science
- Designed tailored lessons resulting in an average improvement of one letter grade over the remainder of their semester

Computer Science Tutor
Brainfuse, Inc.

2020 - Present   *Remote*

Achievements/Tasks
- Tutored to date 2500+ students, achieving an 85% pass rate
- Maintained a 3.9/5.0 student satisfaction rating by implementing engaging analogies into the learning materials to make things more relatable
- Facilitated interactive and tailored group-based lessons across a variety of subjects with a focus on computer science and mathematics
- Assessed client challenges and developed personalized instruction, tracking measurable progress towards academic goals