Hai Duong Huynh
Fairfield, Iowa 52557 • 734-881-4323 • haiduonghuynhcs@gmail.com
https://linkedin.com/in/hai-duong-huynh/ • https://github.com/HaiDuongHuynh/

Java Developer

An entry-level software developer who is passionate about software development and looking forward to applying my knowledge and talent. Driven by a commitment to continuous learning and professional growth, with a proactive approach to problem-solving and a strong dedication to delivering high-quality, scalable software solutions. Eager to contribute my creative and technical skills to kickstart my career as a software developer. Skilled in Java, Postman, Git, MySQL, REST and Azure DevOps.

Object Oriented Programming (OOP) • Database Development • Data Structures • UI/UX
SOLID • Web Application • Problem Solving • Test-Driven Development
Analysis of Algorithm • Agile Methodology • Software Testing and Debugging

Languages: Java, JavaScript, C++, C#
Web: HTML, CSS, JSON, Node.js
Web Services: REST, JSON, XML
Web/App Servers: Tomcat
Frameworks: Spring Boot, Angular, Express.js
Databases: MySQL, MongoDB, Mongoose
Design Patterns: Singleton, Factory Method, Dependency Injection, Composite, State
SDLC: Agile, Waterfall
Tools: GitHub, Azure DevOps, Git, Maven, Postman, MySQL Workbench, SourceTree, Javax Builder, MATLAB, Star UML, MS SQL Server 2019, Blender, Photoshop, Eclipse, Visual Studio, Visual Code
Platforms: Windows, Mac, Android
Application/Software: Unity, Unreal Engine

*CAREER NOTE: Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment).*

ACADEMIC PROJECTS

Maharishi International University (2023)
- **Resort Management System:** RESTful application for a resort Management System, where customers can make reservations for and pay for different resort options. Responsible for the logic and testing of data of Country and State in the database. Utilized Spring Boot, MySQL Workbench, Postman, Visual Code.

- **Library System:** Implementing a Java application of a library system with login authentication and authentication to access certain tasks such as renting a book, checking in, checking out, and creating more books. Responsible for the logic behind system checking in and out and design minor aspects of the user-interface of the application. Utilized Eclipse, Javax Swing.

- **My Games Web Application:** Implementing a web application with login authentication with Angular App and lists of my favorite games that take the data from my local database MongoDB using Mongoose in RESTful style. This is an individual project that is getting data from my local database. Utilized Visual Code, Mongoose, Express, Angular.

- **Shopping Application System:** Developing a shopping application with both front end and back end using NodeJS framework. Create a system with a database containing users and shopping items. Responsible for the front-end application and some logic behind the connection between front end and back end. Utilized Node, JSON, Visual Code.

Texas Wesleyan University (2022)
- o **Horror Game (The Unknown):** Implementing a puzzle escape room style with implemented AI zombies and monsters using NavMesh AI and randomly generated terrain. This is an individual project in which I designed, implemented, and tested all aspects of the game including creating 3D models and textures for the game. Utilized Unity, Blender, Visual Studio, Photoshop.

INDEPENDENT CONTRACTOR EXPERIENCE

Texas Wesleyan University, Fort Worth, USA ● 09/2021 – 04/2022
Higher education offers undergraduate and graduate degree programs.
Math Tutor
- Facilitated enhanced learning experiences for students by advising them on the effective utilization of MATLAB, fostering a deeper understanding of mathematical concepts and applications.
- Successfully assisted students in improving their problem-solving skills through giving them same problems multiple times with some twists apart, leading to increased confidence and competence in mathematics.
- Achieved notable academic progress for students struggling with Algebra and Calculus through targeted tutoring, resulting in improved grades and comprehension.
- Contributed to the academic success of many students by offering support that enabled them to reach and even exceed their desired grades.

Technologies Used: *MATLAB.*

EDUCATION

Master of Science in Computer Science
(In progress via distance education; expected completion 12/2025)
Maharishi International University, Fairfield, Iowa

Key Courses: Web Application Programming, Modern Web Applications, Database Management Systems, Enterprise Architecture

Bachelor of Science in Computer Science
Texas Wesleyan University, Fort Worth, Texas (12/2022)
Key Courses: Computer Programming C++, Advance Programming C++, Assembly Language Program, Data Structure, Computer Organization, Object-Oriented Programing/Design with Internet, Programming Language Concepts, Analysis of Algorithm, Principle of Database System, Operating Systems, Computer Graphics