

Jiahao Liu

www.jiahaoliu.com | liujiahaokyle@gmail.com | www.linkedin.com/in/jliukyle/

EDUCATION

University of Houston, Houston, Texas

Bachelor of Science in Computer Science, Minor in Mathematics, Overall GPA: 3.77/4.0

May 2020

Georgia Institute of Technology, Atlanta, GA

Master of Science in Computer Science

August 2024 - August 2026

EXPERIENCE

Global Shop Solutions, The Woodlands, Texas

ERP Software Developer

June 2020 – Present

- Convert legacy programs written in COBOL into VB.NET-compatible languages and frameworks
- Analyze code and resolve issues in legacy programs during conversion, including refactoring code, rewriting logic, and ensuring compatibility with new implementations
- Create and maintain tools to assist the conversion process
- Participate in data setup and testing of converted programs, ensuring quality and functionality, and report results to the scrum master, and create comprehensive QA documentation if needed
- Create and maintain code snippets in Visual Studio, enhancing code reusability and boosting the team's overall efficiency

ACADEMIC PROJECTS

Ecommerce Web App – MERN Stack

- Developed the backend using the Express framework on Node.js, storing user and merchandise data, and fetching data from MongoDB
- Designed and implemented frontend components using the React Bootstrap library
- Implemented key features such as a shopping cart, merchandise reviews and ratings, buyer address verification, and user's wish list

2D Platform Game - UNITY

- Collaborated with a team of 8 students to develop a captivating 2D platform adventure game in Unity
- Led the implementation of enemy behavior, including movement, attack mechanics, and their interactions with the character
- Successfully implemented various special map components, such as sticky floors, poisonous floors, and ice floors, enhancing the gameplay experience

HONORS AND AWARDS

- Dean's Distinguished Scholars List: Fall 2018, Spring 2019, University of Houston
- Transfer Excellence Scholarship: 2018-2019, 2019-2020

SKILLS

- Working proficiency in English, native fluency in Mandarin and Cantonese
- Working experience in COBOL, PostgreSQL, and Actian PSQL
- Language: C++, HTML, CSS, JavaScript, COBOL, C#, VB.NET, Rust
- Tools & Frameworks: Bootstrap, JQuery, EJS, React, MySQL, MongoDB, Node.JS, Express.JS, PostgreSQL
- Version control: SVN and Git
- Good understanding of algorithms, data structures, OOP and OOD
- Solid mathematical skills