

Maxwell Shafer

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Education

Kansas State University, Manhattan, KS
Bachelors in Computer Science - 3.96 GPA

Projected graduation: December 2025

Relevant Work Experience

DazlHub LLC, *Full Stack Software Development*

Lenexa, KS

May 2025 – Present

- Built a cross-platform Flutter app for iOS/Android, **expanding audience reach**.
- Developed an Angular/TypeScript web app on Firebase, **enabling seamless communication**.
- Implemented serverless workflows **to cut maintenance and improve scalability**.
- Integrated custom APIs and Stripe **to deliver secure, streamlined invoicing**.

Kansas State University, *Data & Program Structure Assistant Teacher*

Manhattan, KS

August 2024 – January 2025

- Elaborated and resolved student questions about algorithms and data structures in class
- Facilitated student help sessions, assisting in project functionality and accuracy
- Collaborated with professor to discuss and develop comprehensive model solutions

Software Architecture & Design:

Relevant Course Work

- Collaborated with a team of four students to complete an application highlighting the MVC design pattern
- Refined design using UML diagrams to effectively document the application's structure and interactions
- Practiced continuous integration while adhering to agile development practices

Object Oriented Programming:

- Developed a mock comprehensive point-of-sale (POS) system for a restaurant
- Obtained high proficiency in C#, .NET Framework, and relevant tools including xUnit testing

Data & Program Structure:

- Implemented versions of important algorithms including Dijkstra's and Quick Sort algorithm
- Designed software to highlight use of data structures such as linked lists, data trees, stacks, and queues

Database Systems & Concepts:

- Optimized SQL queries and database performance through indexing, query analysis, and other best practices.
- Utilized SQL Server Management Studio for data manipulation, retrieval, and reporting

Skills

Language & Tools: C#, C, Git, .NET Framework, TypeScript, Node, Python, Firebase, Dart, Stripe API, SQL, Excel, Linux

Soft Skills: Adaptability, Time Management, Collaboration, Communication, Problem-Solving, Technical Writing

Current Projects

Aggierville Pickup

A Flutter app to assign sections of Aggierville weekly to be picked up by members of the Sigma Chi fraternity, to keep Aggierville free from trash.

Firebase Container | Cloud Architecture

maxshafer.com

A Node.js + Angular Website to host my portfolio. I'm continuously adding more features to exhibit my passions. Look for my Bookshelf section next!

Node.js | Angular | CSS

Potion Match

A Tetris-like strategy puzzle game. Developed with Godot. This is my hobby project for when I have excess free time!

Godot | GDScript | Procreate

Involvement

Sigma Chi Fraternity, Kansas State University

Fall 2023

House Manager:

- Managed relationship with Housing Board ensuring effective communication and damage reporting
- Organized 60 members to ensure house maintenance while flexibly repairing housing issues