






JACOB MABEY

Full-Stack Software Engineer

CONTACT ME

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TECHNICAL SKILLS

- Agile / Scrum
- User Experience (UX)
- Web / UI Design
- Databases
- C#
- Java
- Python
- HTML & CSS
- JavaScript
- C++
- React JS
- XML / XAML
- SQL
- MongoDB
- Mathematics

EDUCATION

Neumont College
Bachelor of Science in Computer Science – BSCS *GPA: 3.57*
Salt Lake City, UT
Dec 2024

INDUSTRY EXPERIENCE

SOFTWARE ENGINEER – INTERNSHIP

Motorola Solutions Mar 2024 – Present

- Designed and implemented new features, debugged, and resolved issues in Motorola software, enhancing overall functionality.
- Collaborated with cross-functional teams to deliver project milestones within 2-week sprint cycles, ensuring timely completion and high-quality outputs.
- Utilized Agile and Scrum methodologies to drive continuous improvement and maintain efficient development processes.

React JS | C# | Java | Agile

SOFTWARE ENGINEER – 2D PARTICLE PHYSICS SIMULATOR

Neumont Senior Capstone Project Oct 2023 – Dec 2023

- Created a Windows application simulating 2D physics at 60 fps, providing a smooth and realistic user experience.
- Enabled users to interact with and manipulate physical objects, enhancing engagement with particle physics.
- Developed the application within a 10-week timeline using Agile methodology, ensuring structured progress and timely delivery.

C# | UWP | Physics | UI & UX Design

PROJECTS

CASINO GAME LIBRARY

Nov 2022 – Dec 2022

- Constructed a game library featuring 5 different casino games including Blackjack, Craps, and Roulette.
- Collaborated in a team of three, leveraging communication and teamwork skills.

C# | UWP | Agile | UI & UX Design

ALGEBRAIC CALCULATOR: AXIOM

May 2018 – Dec 2018

- Built a text-input calculator with customizable themes, capable of handling complex mathematics including variables, parentheses, exponents, and trigonometric functions.
- Developed this project independently during free time to enhance programming skills and mathematical computation capabilities.

C# | UWP | Mathematics | Algorithms | UI & UX Design