JESSICA BACCHI

Software Engineer | Full-Stack Developer | Game Developer
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EDUCATION

FULL SAIL UNIVERSITY   Winter Park, FL
Bachelor of Science; Major in Computer Science   Jan 2023 - Dec 2024
Valedictorian, Advanced Achievement Award; December 2024
Relevant Coursework: Data Structures and Algorithms, Software Engineering, Systems Programming, Machine Intelligence
       Systems, Software Architecture, Information and Database Systems

PROJECTS

EDUFORGE   Aug 2024 - Dec 2024
A Unity-based educational game that combines puzzle-solving and level exploration to make learning more engaging.
- Developed and integrated core UI systems using Unity and C#
- Designed wireframes and implemented user-friendly interfaces while resolving gameplay bugs to ensure a smooth experience

SIMS 4 GENERATOR   May 2024 – Jun 2024
A web-based prompt generator built to spark creativity for Sims 4 players.
- Built the application from scratch using HTML, CSS, and JavaScript, focusing on clean UI and responsive design
- Designed the project to be user-friendly and accessible, addressing the common issue of "Simmer's block" with an engaging,
lightweight tool

LISTEN LEAF   Nov 2023 - Jan 2024
An Android app that converts written book text into audio, making reading accessible on the go.
- Developed the frontend interface using XML and Java in Android Studio, with focus on usability and visual clarity
- Collaborated with a team to refine app logic, test core features, and ensure compatibility across devices

CALCULATOR   Jul 2023 - Aug 2023
A basic calculator application developed from scratch with a custom UI and support for arithmetic operations.
- Built custom classes for UI components, button logic, and arithmetic processing using modular C++ design principles
- Developed and tested features including input handling, operator execution, and result display using Visual Studio

EXPERIENCE

SHAKE SHACK   Winter Park, FL / New Hyde Park, NY
Team Member/Trainer   Feb 2022 - Sep 2023 / Feb 2025 - Present
- Lead training of new team members, ensuring high performance in food safety, guest service, and team coordination
- Maintain operational efficiency in a fast-paced environment while upholding quality and safety standards

WWE NXT STUDENT INITIATIVE   Orlando, FL
Student Volunteer   Apr 2023 - Jan 2025
- Assisted with event operations including ushering, seating, and guest services
- Honed leadership and team coordination skills in a high-energy, professional environment

SKILLS

Programming Languages: Front-End: HTML/CSS, JavaScript; Back-End: C#, C++, Java, Python, SQL, MATLAB, Assembly
Language
Development Frameworks & Tools: Unity, Android Studio, Microsoft Visual Studio, Git, GitHub, Jira, Trello, Arduino IDE,
MySQL, Wireshark, Ubuntu, Linux, JSON, XML
Software & Systems Engineering: Software Architecture, Software Integration, Software Test and Quality Assurance, Systems
Programming, Operating Systems, Wearable Computing
Data & Algorithms: Data Structures and Algorithms, Data Visualization, Machine Learning, Mathematical Programming,
Database Systems, Information Systems, Data Modeling
Soft Skills: Leadership, Customer Service, Communication, Team Management, Problem Solving, Multitasking, Collaboration,
Adaptation, Attention to Detail, Time Management, Critical Thinking, Organization Skills, Creative Problem Solving, Teamwork