

Ryan Bussert - Software Engineer

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Education

Florida Gulf Coast University

Bachelor's degree in Software Engineering

Fort Myers, FL

Graduation Date: May 2026

Relevant C++ coursework: Programming, Data Structures, Computer Security, Digital Systems & Architecture

Study Abroad - Università degli Urbino di Carlo Bo

Urbino, Italy

Completed a semester abroad studying photo-journalism and Art History of the Renaissance.

Jan - May 2022

Iowa State University

Ames, IA

Studied Journalism and Mass Communications

Aug - Dec 2021

Projects

AI-Forecast

Engineered an LSTM-based weather forecasting machine learning model using TensorFlow in Jupyter Notebook, achieving significant accuracy improvements by applying data engineering techniques to preprocess large datasets, demonstrating its practical application in enhancing weather forecasting.

Algo-Trader

Developed complex backtesting algorithms and advanced technical analysis tools for meticulous analysis of extensive financial datasets, specializing in probability calculations and query optimization; integrated with the Alpaca API and built a dynamic Node.js powered web interface for real-time visualization.

My-GPT

An NLP chatbot with a React front-end, TensorFlow for machine learning, and a Node.JS server powered by Python/PyTorch; optimized tokenization and data preprocessing for enhanced performance on large datasets.

Portfolio (website)

A dynamic showcase of my professional journey and skills, built with React.JS. Highlights include an interactive UI, dynamic routing, and real-time CSS animations, demonstrating advanced front-end development and design.

My-Street

A full-stack geo-location-based social network mobile application featuring a Flutter/Dart front-end, Node.JS backend with JavaScript sorting algorithms, complex SQL database queries, AWS S3 image handling, and asynchronous server communication.

Work Experience

Starbucks - Barista

Estero, FL | April 2022 - present

Excelled in service-oriented position. Provided a premium customer experience and attracted recurring customers.

Taco Bell - Shift Manager

South Elgin, IL | Mar 2019 - Jan 2020

Honed strong leadership and collaborative skills, effectively managing team dynamics and customer service in a high-pressure environment.

Activities

Software Engineering Club

Aug 2023 - Present

Enhanced coding and problem-solving skills through LeetCode challenges, organized industry professional talks for career insights, and collaborated on interdisciplinary projects with peers.

Iowa State Daily - Reporter

Aug - Dec 2021

Conducted in-depth research and interviews over a number of news stories. Collaborated effectively with editors and photographers in creating accurate and engaging content under strict deadlines.

FGCU Chamber Choir

Aug 2023 - Present

Collaborated as a key member of an auditioned university choir, enhancing teamwork and communication skills through rigorous practice and performance schedules.

Skills

Languages: Proficient: Javascript, C++, Dart, Python, HTML/CSS **Familiar:** Java, Swift, C, C#

Technicals: SQL, Natural Language Processing, Git/Github, Flutter, PyTorch, MongoDB, JSON, Firebase, TensorFlow