

# Devin Arena

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Motivated student and developer interested in Software Engineering and Information Technology.

## EDUCATION

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### Florida Gulf Coast University

Bachelors of Science in Software Engineering

Minor in Mathematics

- President's List (4.0 GPA) - 4 time recipient

Fall 2019–Fall 2022

Fort Myers, Florida

GPA: 4.0/4.0

## WORK EXPERIENCE

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### Florida Gulf Coast University

Teaching Assistant - General Chemistry I and General Physics II

- Assisted the professor in explaining complex concepts of General Chemistry I and General Physics II

January 2020–Present

Fort Myers, Florida

### Florida Gulf Coast University

Physics Research Assistant - Dark Matter Phenomenology

- Studying simulations involving the production and effects of dark matter
- Working on and maintaining university Windows and Linux machines
- Updating current models using C++ and automating MadGraph, MadAnalysis, and other tasks using Python

December 2020–Present

Fort Myers, Florida

## TECHNOLOGIES AND LANGUAGES

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- Languages: Java, C++, C, C#, Dart, Python, Javascript, HTML, CSS
- Technologies: Git, MySQL, SQLite, Flutter, Android Studio, React.js, Node.js, Linux, Vi, Arduino, Raspberry PI
- Coursework: Data Structures and Algorithms, OOP, Data Engineering, Operating Systems, Software Security

## PROJECTS

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### AppTracker

- Developed a React web application to catalog internship and job applications.
- Stores company name and notes about the company and tracks interviews, offers, and rejections.
- Stores data in local storage and allows users to import or export their current application data as JSON.
- Sleek and responsive design using CSS3 and multiple device support using media queries.

### Product Log

- Developed a cross-platform mobile application using the flutter SDK.
- Documents user purchases by either entering a UPC, scanning a barcode, or simply adding the product.
- Product information is stored in a local SQLite database and can be looked up, searched by name or tag, and sorted.

### Pixel Striker

- Designed and developed a mobile soccer arcade game using the Godot game engine with multiple game modes.
- Persists user data such as best scores and settings using preferences.
- Employs Google Play Game Services for leaderboards and achievements.

### Telegram Message Counter

- Created a python script to scrape and analyze a set of Telegram messages exported from the Telegram desktop app,
- Utilizes BeautifulSoup as a web scraper to analyze texting trends.
- Displays texting trends on a bar plot or line plot using Tkinter and matplotlib.

### Minesweeper AI

- An implementation of a minesweeper AI written in pure javascript.
- AI determines the best move to make based on a probability map generated using real minesweeper solution tactics.