

Gabriel St. Angel

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EDUCATION

Bachelors of Science in Computer Science

Illinois State University

01/2020 - 12/2021 Normal, IL GPA 4.0 / 4.0

- Organizations: ISU Solar Car Team, AI Club

Associates of Arts

Rock Valley College

01/2017 - 12/2019 Rockford, IL

EXPERIENCE

Software Developer Intern

Sprekk Supply Group 06/2020 - 09/2020 Rockford, US

Medical Device Sales Startup

- Lead a team of interns that developed a threaded windows based GUI using PyQt5 that provided sales associates with an easy-to-use platform to find potential clients.
- This application resulted in an estimated savings of \$20,000 per year by eliminating company reliance on pay per request health care API's like the BetterDoctor API.
- Provided guidance and insight when the firm was creating an online presence by showcasing the options they had when it came to creating a well formatted and easy to use website.

Electronics Team

ISU Solar Car Team 02/2020 - Ongoing Normal, US

Competitive Team at ISU developing solar cars

- Joined the Solar Car Team upon transferring to Illinois State and immediately displayed leadership by guiding the Electronics Team in solving preexisting technical problems pertaining to the CAN system.
- Developed a Windows Executable to display the telemetry data to the chase car in a user friendly format.
- Worked in teams to build embedded systems like the CAN bus using Diptrace for circuit design and utilizing AtMega328p microcontrollers and other microchips.
- Optimized efficiency and gave a competitive advantage for the solar car by using elevation data from the Google Elevation API to document the most efficient places to utilize solar panels along the race route.

SKILLS

Data Structures	Algorithm Design		iOS Development	
Data Analytics	Software Development		Embedded Systems	
Machine Learning	Linux	Git	Prototyping	NLP

ACHIEVEMENTS

- ✓ USML 'Hack the Stack' Hackathon

Worked in a team to develop an Instagram like food app using Angular and FireBase

- 💡 Placed on the Deans List during all semesters at Illinois State University

STRENGTHS

- 👤 Leadership
- 💬 Oral and Written Communication
- 🧠 Critical Thinking
- 👥 Team Building
- ✓ Reliable and Consistent

PROGRAMMING

Python	<div><div></div></div>
Java	<div><div></div></div>
JavaScript	<div><div></div></div>
HTML & CSS	<div><div></div></div>
C/C#/C++	<div><div></div></div>
Swift	<div><div></div></div>

PROJECTS

ISU Solar Car Telemetry

github.com/gabrielsaintangel/IsuSolarCarTememetrics

- PyQt5 Based GUI that display relevant telemetry and battery data to the operator in a user friendly format.
- Data is transmitted using over WiFi using an Arduino to a computer hosting the GUI, where it is interpreted and displayed to the user.

Reddit_sentiment

github.com/gabrielsaintangel/reddit_sentiment

- A NLP sentiment classifier that pulls information from Reddit.com and determines mean sentiment of the subreddit using the TextBlob python module.

Healthcare_to_excel

github.com/gabrielsaintangel/healthcareData2excel

- Python based application that enables users to quickly obtain information about the healthcare providers in their area using publicly available taxonomy data.
- This application supports Google Maps and is capable of mapping hundreds of locations at once.

FastLED_Blynk_Controller

github.com/gabrielsaintangel/FastLED_Blynk

- LED Controller that uses an Arduino interfacing through USB and the Blynk App to control individually addressable LEDs.