Arwin Arun Swapna

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EDUCATION

University Of South Florida	**Tampa, FL**
Bachelor of Science in Computer Science	**Expected: 2023**

Key specialized courses: Program Design, Programming Concepts, Data Structures and Algorithms
Organization/ Clubs: SHPE, AIChE

EXPERIENCE

Dodge Industrial, Inc.	**Greenville, SC**
Engineering Intern	**Nov 2021 – May 2022**

- Wrote scripts to test range quality of the smart sensors, used data to explain issues and increase reliability of sensors
- Built an Interactive App for data collection from Swagger API, making data accessible to future interns and engineers
- Recorded inventory according to BOM to PartsBox for automatic parts ordering and inventory tracking

Asea Brown Boveri (ABB)	**Greenville, SC**
R&D Intern	**Aug 2021 – Nov 2021**

- Contributed bug fixes to Touch Tester App, improved UI and UX which improved the App usability
- Setup an On-Premises gateway using Raspberry PI, Python for logging data from ABB Ability Smart Sensors
- Analyzed battery discharge data from Keysight BenchVue, to predict the longevity of the Lithium-ion batteries

USF – Digital Humanities and Heritage Collections	**Tampa, FL**
Software Developer	**Mar 2020 – Aug 2021**

- Created a 3D modeling device using Raspberry Pi and multiple cameras to capture and render models
- Developed App using C#, which harvests metadata via API for the new/updated resources for the 3D models collections
- Successfully transferred inbound data from API to SQL Database, and maintained periodically

INVOLVEMENT

Chem E Car – Electrical Technology Lead	**Tampa, FL**
American Institute of Chemical Engineers	**Dec 2020 – May 2021**

- Led a team to participate in the annual Chem E Car competition.
- Worked as a team to create a electrical system to stop the car at the exact distance revealed on the day of competition

PROJECTS

USF Schedule Planner	**May 2022 – Present**

- Developing a WebApp that will solve the class scheduling problems faced by students at USF

Facial Recognition App	**June 2022 - Present**

- Build a WebApp which detects faces, built using React

Personal Portfolio Website – v3	**June 2022 – Present**

- Design the third iteration of my portfolio website using React, Tailwind CSS

USF Class Data	**Feb 2022 – Present**

- Working on scraping USF class data using Scrapy

SKILLS & INTERESTS

- Programming: **C, C++, C#, Python, HTML, CSS, JavaScript, ReactJS, React Hooks, Tailwind CSS**
- Technologies/Environment: **MySQL, GitHub, Agile-Jira, .NET, Django, MS Visual Studio, Adobe Creative Suite**
- Awards: **USF Green & Gold Scholarship, USF Tampa Library Scholarship (2021)**

PROFESSIONAL REFERENCES

Greg Hewitt - Global R&D Engineering Manager at Dodge

- Contact: whewitt@dodgeindustrial.com – Phone Number: 864-281-2164

Richard Bernardy - Systems Administrator & Software Developer at the USF Libraries

- Contact: rbernard@usf.edu