RYAN SMITH

SOFTWARE ENGINEER

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ABOUT ME

In my time pursuing a Bachelor's of Science in Software Engineering at Florida Gulf Coast University I have worn many hats: student, educator, engineering ambassador, award-winning developer, and, soon, alumnus. As I transition to working in the industry, I bring knowledge of agile development, experience with object-oriented programming, and intimate familiarity with data structures and algorithms. Above all else I am a quick learner, a hardworker, and ready to start.

EDUCATION

Florida Gulf Coast University
BS Software Engineering | May 2022

- Most Impactful Hack winner Hackabull 2021
- Learning Assistant
- U.A. Whitaker College of Engineering Ambassador
- Member of the Software Engineering Club
- Dean's List Spring 2020 and Fall 2021
- Association for Community Machinery Student Member

OTHER INTERESTS

- Teaching and working with others
- Empowering disenfranchised communities
- Animation
- Woodworking

EXPERIENCE

Software Engineer Intern
Intevations LLC | Sep 2021 to Present

- Develop MC-TTT: Job Data Analysis (see projects)
- Elicit Requirements from Sponsor
- Participate in a modified SCRUM
- Build Front End using Flask
- Setup and maintain CI/CD Pipeline

Learning Assistant
Florida Gulf Coast University | Jan 2020 to Dec 2021

- Assist with COP 3003 Programming II
- Facilitate discussions among groups of students
- Provide office hours for tutoring, troubleshooting computer issues, debugging, and advice
- Advocate for students
- Identify learning problem areas and suggest solutions

PROJECTS

- **RedDictio**
  - Utilizing machine learning, to analyze subreddit comments for hate/toxicity.
  - Built with: Python, ML, NLP, Cloud Computing, SQL, Docker
- **Accessible Generative Art (Awarded Most Impactful Hack)**
  - Randomly generate art, exported in an SVG file, for lossless scalability
  - Built with: Python, NumPy, Pycairo, Vector Graphics
- **MC-TTT: Job Data Analysis**
  - Analyze current job postings to make resume creation easier for Veterans transition from military to civilian jobs.
  - Built with: Python, Flask, AWS, NLP, mySQL, Github, Docker, Jira
- **Production Project**
  - Prototype of a program to keep track of production in a manufacturing setting.
  - Built with: Java, JavaFX, Gradle, SQL, OOP

SKILLS AND COURSES

Programming Languages:
Python, Java, C++
Software:
PyCharm, Google Cloud Suite, AWS, Github, Jira, Adobe Creative Suite, Microsoft Office
Courses:
Object-Oriented Programming, Data structures and Algorithms, Data Engineering, Networks, Software Testing, Requirements Engineering, Linear Algebra, Discrete Math, Software Architecture and Design, Human-Computer Interaction, Operating Systems