

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/Sponsored Student

Intevations LLC | Sep 2021 to Present

- Develop Military-to-Civilian Skill Translation
- Elicit Requirements from Sponsor
- Participate in a modified SCRUM
- Parse images and pdfs for their text

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
- **Military-to-Civilian Skill Translation (Senior Project WIP)**
 - Takes veterans military history and generate a resume with skills being sought after in current job postings
 - Built with: Python, AWS, NLP, SQL
- **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:

IntelliJ, PyCharm, Google Cloud Suite, 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