

## John Andrew Self

Personal E-mail: andrew.self31@gmail.com

School E-mail: jaself@valdosta.edu

Github: JohnAndrewCoding

LinkedIn: <https://www.linkedin.com/in/john-self-82910a20b/>

Mobile phone: 229-256-8644

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### Objective:

- Seeking Computer Science related job opportunity (Software Engineering or Data Science) upon graduating in May 2024

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### Education:

B.S in Computer Science with a minor in Math, Cumulative GPA 3.08, CS Courses GPA 3.30, expected May 2024, *Valdosta State University*, Valdosta, GA

Associates of Science, Graduated with 3.34 GPA, August 2018 - August 2020, *Abraham Baldwin Agricultural College*, Tifton, GA

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### Relevant Work Experience:

402nd Software Engineering Group, Warner Robins, GA, Job Title: Computer Scientist, June 2023-July 2023

- Part of various meetings discussing software processes and technical strategies
- Multiple shadowing opportunities with experienced developers
- Exposure to large code base
- SCRUM/Agile development experience
- Gained experience working with Ada and C programming
- Received Security Clearance

### Skills:

- Advanced: Java, Object-Oriented Design, Python
- Intermediate: MySQL, GitHub, Eclipse, IntelliJ IDEA, Visual Studio Code, Vim, Python for Machine Learning: Pytorch, Numpy
- Beginner: C, Ada, Agile Development, HTML/CSS, JavaScript, Android Studio, Bash, XML, LaTeX, ASP.Net

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### Relevant Coursework:

- Math classes all the way up to Linear Algebra, Calculus II, Physics II and Differential Equations
- Data Structures and Algorithms
- Software Engineering, Web Programming, Senior Seminar
- Intro to Big Data/Machine Learning

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### Academic Projects:

Data Structures Project - AVL Tree Super Bowl Database

(Java, Object Oriented Design, Github)

- Created a Super Bowl Searching program using AVL Tree as main Data Structure
- Learned how to problem solve and work together with others to complete a large scale programming task

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### Software Engineering Project - Twitter Clone GUI Application

(Java, CSS, XML, Object Oriented Design, Github)

- Simulated a real world work environment
- Gained experience with documenting coding process effectively
- Gained Experience with GitHub workflow
- Gained experience with adding to already existing code with best practices

### Intro to Big Data/Machine Learning Project - Spotify Top 100 Songs Analysis

(Python, GitHub, Numpy, Matplotlib, ScikitLearn, LaTeX)

- Gained Experience with LaTeX
- Gained Experience with developing Machine Learning models
- Gained Experience writing professional document about a coding project

### Senior Seminar Project - Android Image Classification Application

(Java, Python, Android Studio, Github, Pytorch, Supervised Learning, XML)

- Gained experience with applying Machine Learning Models
- Gained experience with Full-Stack development of mobile application
- Gained further GitHub workflow experience

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### Awards:

- Captain of Football Team all 4 years of High School
- Team Trainer at Chilli's Bar and Grill: received 3 promotions and multiple employee of the month awards

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### Clubs/Organizations:

Current Vice President of the Association of Computing Machinery (Valdosta State University)

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### Hackathons:

#### Azalea Health Hackathon 2022

(Java, Object Oriented Design)

- GUI application that assists patients with accurately describing their pain levels
- Assisted with program object-oriented design

#### Azalea Health Hackathon 2023

(Java, RESTful API, Object Oriented Design)

- GUI application that provides digital communication between healthcare provider and patient
- Designed GUI and worked directly with Azalea Health API