

Sarah Welty

3501 Thornbrook Pl. Charlotte, NC 28269 | Phone: (910) 723 – 0233 | E-Mail: sarahwelty33@gmail.com

PROFESSIONAL SUMMARY:

Highly analytical & process-oriented computer science student with technical experience in data analysis and systems analysis. Experienced and interested in designing and developing interactive web applications and building application architecture with Ruby on Rails. Looking for new or similar opportunities.

TECHNICAL SKILLS:

Languages: Java, Ruby/Rails, Git, C++, SQL, HTML, JavaScript, CSS/SCSS

Applications: MS Office Suite, SQL Developer, IBM InfoSphere Information Suite, Tableau, NetBeans, Dr Java, AWS Cloud9, GitHub, Project Trackers (Trello, and JIRA), AJAX

Additional Skills: Data Analysis, Data Modeling, Team Building, Communication, Analytical Thinking, Business Intelligence (BI), Data Technologies, Software Engineering, Full Stack Development

EDUCATION:

The University of North Carolina at Charlotte, Charlotte, NC

December 2019

Bachelor of Science in Computer Science

Concentration: Web & Mobile Applications

GPA: 3.795/4.0

United States Army

Total Army Retention School, Fort Bragg, NC

June 2016

Noncommissioned Officer Academy, Fort Bragg, NC (HONORS)

February 2015

Army Airborne School, Fort Benning, GA

February 2014

Military Police School, Fort Leonardwood, MO

May 2011

RELEVANT COURSEWORK:

Software Engineering, Database Design/Implementation, Web Application Development/Implementation, Data Structures & Algorithms, Engineering Calculus I & II, Linear Algebra & Matrices, Technical Communications, Logic & Algorithms, Computer's & Their Impact on Society, Critical Thinking, (Science, Technology & Society), Operating Systems & Networks

EXPERIENCE:

Software & Information Systems, University of North Carolina at Charlotte, Charlotte, NC

January 2017 - Present

Designer & Project Lead

- Conceptualized and created resources for Computer Science students consisting of fundamental programming principles, coding with Java, and basic technology practices
- Implemented an innovative and intelligent website using Amazon Web Services to allow students to access materials, test code, and access exercises to practice coding
- Developed strong knowledge of object-orientated programming and application development tools using Java and C++

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Teachers Insurance and Annuity Association (TIAA), Charlotte, NC

June 2018 – August 2018

Technical Associate Internship

- Created visually impactful dashboards in Excel, OBIEE, and IBM Information Analyzer for data reporting on \$400,000,000 worth of assets to assist in financial decision making
- Delivered high quality and practical solutions for data profiling and strategic data catalog migration strategies resulting in a decrease of 400 development hours utilizing JIRA project tracking software
- Collaborated with on and off shore developers , project managers, business analysts, systems/data analysts and Finance and Actuarial business partners to analyze, produce, test and implement Data Quality Rules on in-flight data management projects.

United States Army, Fort Bragg, NC

November 2015 – August 2016

Training and Operations Sergeant

- Supervised 4 employees in an operational office management environment responsible for record keeping of 155 employees and procuring training materials for the organization that boosted efficiency ratings by 12%
- Engaged in interagency brainstorming to enhance the organization's overall effectiveness and supply discipline strategies resulting in a decrease in \$40,000 of wasteful spending
- Computed and presented company statistics and projections to leaders clearly and neatly using MS Suite

United States Army, Fort Bragg, NC

January 2013-November 2015

Assistant Squad Leader

- Maintained 100% accountability of equipment valued at \$750,000 with zero losses or damage
- Assisted in supervising, counseling and mentoring 9 individuals in professional and personal development.
- Created digital records for 9 individuals in an excel spreadsheet with sharing capabilities and simple statistic interpretation

HONORS AND AWARDS:

2018 AvidXchange Academic Excellence Scholarship Recipient	April 2018
Chancellors List, University of North Carolina at Charlotte	Fall 2017
Deans List, University of North Carolina at Charlotte	Fall 2016, Spring 2017
Army Achievement Medal	December 2013, February 2015, May 2015, September 2015, August 2016
Noncommissioned Officer Academy Leadership Awardee, Fort Bragg, NC	February 2015
Commandants List, Noncommissioned Officer Academy, Fort Bragg, NC	February 2015
The Army Commendation Medal, Fort Bragg, NC	April 2015