# Michael D. Johnston

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## SUMMARY

Performance driven and methodical critical thinker determined to ensure team success, experienced in working in and leading teams through a broad spectrum of high stakes environments.

## EDUCATION

**University of Colorado Colorado Springs**                                      **May 2022**

*Colorado Springs, CO*

**Bachelor of Innovation** Degree, Computer Science

## EMPLOYMENT EXPERIENCE

**Squad leader / Platoon Sergeant**                                      **2014-2017**

*Warrior Transition Battalion, Fort Carson, United States Army*

- Supervisor within a non-traditional unit, responsible for 20 -36 traditional and special operations soldiers of all enlisted and officer ranks of the Army, Army National Guard and Army Reserve.

- First National Guard member within unit permitted to attend Advanced Leaders Course professional development school, finishing as Distinguished Honor Graduate, and creating future opportunities for National Guard Soldiers to be assigned to unit.

- Selected above 16 Non-Commissioned Officers to manage complex remote care platoon after allotted Cadre/employee reduction, replacing a dedicated Commander, First Sergeant, Platoon Sergeant, and Squad Leader.

**Combat Trainer / Observer, Controller, Trainer**                                      **2012-2014**

*Arizona Pre-Mobilization Assistance Element (AZ PTAE), Arizona Army National Guard*

- Developed and executed training for Active Duty, National Guard, and Reserve Component military units in all regional and military command specific training guidance prior to CONUS and OCONUS deployments.

- Selected to plan, organize, and execute the Arizona Best Warrior Competition, testing the Arizona Army National Guard's top performing Soldiers over three days. Successful execution resulted in selection to provide training outline, supervision and execution for teams representing Arizona in the Army's Best Ranger Competition.

- Key member for the development and execution of the Arizona Ultimate Fitness Challenge; a two-week health and fitness education program intended to bring Soldiers into compliance with fitness standards. Program completed 8 rounds of 60-150 Soldiers over 3 years.

**Security Officer A**                                      **2010-2012**

*Department of Emergency Management and Military Affairs (DEMA), State of Arizona*

- Responsible for access to Joint Forces Military Reservation, responding to emergent issues and immediate threats, analyzing security threats, and modifying mitigation factors during changes in current local/global threats and Force Protection Levels.

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## LANGUAGES AND PROGRAMMING EXPERIENCE

**Languages**

- C
  - CS 2060, Programming with C; CS 4220
  - Basic programming concepts implemented into simple programs. Solving small problems with basic programming operations and data structures. Implementing System calls, secure file transfers

- C++
  - CS 3060, Object-Oriented Programming with C++
  - Re-introduction to basic programming concepts with a brief introduction to object-oriented programming

- Java
  - CS 1150, Principles of Computer Science; CS 1450, Data Structures and Algorithms; CS 2300, Computational Linear Algebra; CS 4720 Design and Analysis of Algorithms
  - Utilize language to implement basic programming concepts to solve data manipulation problems. Introduction to object-oriented programming, simple data structures, and simple algorithms. Used in creating matrix multiplication and manipulation functions

- Python
  - CSC 119, Introduction to Programming
  - Introduction to programming concepts and logical thinking.

- HTML, CSS, Ruby on Rails
  - CS 3910, System Administration and Security; CS 3300, Software Engineering, Personal Portfolio (under Construction)
  - HTML Apache based webpages; Ruby on Rails portfolio built with scaffolding

**Experience with Development Practices and Tools**

- Exposure to Agile development environment through developing SaaS application
- Implemented Test Driven Development through Rspec, FactoryBot
- Introduced to user management with Devise
- Cloud based operations through Amazon Web Services and web-application deployment by way of Heroku
- Limited experience with Docker containerized development environment combined with GitHub and CircleCI for managing development operations
- Prototyping mobile application with Axure for minimum viable product demonstration and user experience/user interface testing
- Interactive maps built on databases deployed through Mapbox