

JAMES M. HEADEN

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An enthusiastic individual with a plethora of extra-curricular experience, bringing a wealth of outside knowledge, exceptional communication and teamwork ability, and excellent mathematical skills to the table in order to reach solutions.

- Proficient in mathematical logic, calculus, and algebraic functions
- Excellent analytical and problem solving skills, with a superior eye for detail
- Well-versed in myriad computer applications

EDUCATION

B.S., Major-Mathematics Minor-Physics;
Elizabeth City State University, Elizabeth City, NC GPA 3.8

RELEVANT SKILLS

- C++ , Java, Pro E, Linux
- Revit, Auto CAD, Sketch up
- Multi Sim (electrical circuits simulator)

RELEVANT COURSE WORK

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|--------------------------|---|---------------------|
| • Calculus I-III | Advanced Calculus | Electrical Circuits |
| • Differential Equations | Partial Differential Equations (Grad level course) | Aerodynamics |
| • Foundations of Math | Discrete Methods | Statistics |
| • Physics I-II | Chemistry | C++ |
| • Dynamics | Fluid Mechanics | Java |

EXPERIENCE

Administrative Dorm Director – Elizabeth City State University (2011– 2013)

- Managing, Enforcing and Maintaining the safety of the dormitory and residents
- Collaborate with university supervisors to ensure accurate and consistent safety protocol

Youth and Teen director – University of North Carolina Wilmington summer program (2004 – 2005)

- Nurture and encourage proper development in each mentee through unique, individual approaches
- Design, organize, and develop team-building activities
- Growth, performance, conduct, and behavior management

PROFESSIONAL ORGANIZATIONS

- Center of Excellence in Remote Sensing Education and Research (**CERSER**)
- Institute of Electrical and Electronic Engineers (**IEEE**)
- Geoscience and Remote Sensing Society (**GRSS**)

HOBBIES AND INTEREST

- **Trained under Joe Lewis and Relson Gracie** (renowned kick-boxer/ jiu jitsu fighter)
- ^{1st} place titles in kickboxing and Karate /Fluent in 8 different forms of martial arts
- Ranked top 25 best high school French Horn players in the nation (2003-2005)