

# Duke T. Knight

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## OBJECTIVE

To obtain a full time position in actuarial services applying analytical and problem solving skills.

## EDUCATION

### Bachelor of Science in Mathematics

Middle Georgia State University

December 2019

Macon, Georgia

- GPA 3.7
- Study Abroad: Maya Exploration Center, Lima, Peru (May 2018)

## SENIOR RESEARCH PROJECT

*Symmetry Analysis of Inca Textiles and Architecture*

May 2016 - November 2016

- Collected data and studied structure, patterns, geometry, and engineering of Inca Empire while in Lima, Peru.
- Composed 25 page report detailing history, archaeoastronomy, mathematics, and architecture.
- Presented summary of findings at Annual Capstone Day hosted by the Department of Mathematics.

## RELATED EXPERIENCE

### Actuarial Consulting Intern for Health & Welfare Plans

The Segal Group, Inc.

June 2016 - August 2016

Atlanta, Georgia

- Prepared an actuarial model to forecast plan funding requirements for a large public sector plan sponsor valued at \$5M.
- Verified mathematical calculations in collaboration with a team of 5.
- Researched and analyzed public sector benefits data to support colleagues' interactions with clients.
- Reviewed financial statements and prepared quarterly and yearly reports with attention to detail and accuracy.
- Utilized and modified existing computer programs and spreadsheets for budget projections, claims cost analysis, and claims curves for retiree health valuations.

### Mathematics Tutor

Middle Georgia Mathematics Academic Resource Center

January 2016 - present

Macon, Georgia

- Facilitated sessions for 20 - 25 Calculus and Calculus II students to review course content and prepare for exams.
- Explained concepts and encouraged open communication with students to ensure understating and application of material.

## RESEARCH AND PRESENTATIONS

### Middle Georgia State University Student Research Conference

April 2017

- Knight, D.T. (2017, April). Current trends in actuarial science. *Poster presentation at the Middle Georgia State University Student Research Conference, Macon, GA.*
- Awarded 1<sup>st</sup> Place in Public Speaking

## Community & Campus Involvement

Rescue Mission of Middle Georgia (Domestic Abuse Center Volunteer)

Girls on the Run of Atlanta (5K Volunteer)

Middle Georgia State University Math Club

May 2017 - present

April 2016 – present

June 2015 - present

## COMPUTER SKILLS

Software: Microsoft Excel, Access, Word, PowerPoint

Languages: Visual C++, Visual Basic 6.0, Structured Query Language (SQL)