

# Ian Mouzon | Curriculum Vitae

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## Education

### Iowa State University

Ames

*PhD, Statistics (in process)*

2010–current

I am in my 5th year studying statistics at Iowa State University of Science and Technology. My research is focused on data-mining and clustering.

### University of North Florida

Jacksonville

*MS, Math*

2008–2010

I earned a Master of Science degree from UNF in mathematical science with a focus in statistics.

### University of North Florida

Jacksonville

*BS, Math*

2001–2006

Earned a Bachelor's degree in mathematics with a minor in biology. I did histological research on mosquitoes during my final year.

## Experience

### Vocational.....

### Iowa State University

Ames

*Graduate research assistant*

2011–2014

I currently work as an assistant on a grant obtained by Dr. Ulrike Genschel through the National Science Foundation (HRD-1036791) examining possible causes of the STEM gender gap in higher education, wherein female majors in Science, Technology, Engineering, and Mathematics tend to leave STEM at a faster rate than male students of similar academic background.

Details:

- I am responsible for planning and performing statistical analyses of our data and summarizing and presenting the results;
- In addition to other presentations related to the work I and my research group has done, I personally participated in the following:
  - Contributed poster at the Joint Statistical Meeting (JSM) 2012;
  - Contributed paper at the Joint Statistical Meeting (JSM) 2012;
  - Session presentation at American Mathematical Association of Two Year Colleges (2014);
- The transcript data is considered highly personal and we have several levels of legally established protections which I must follow;

### Iowa State University

Ames

*Graduate teaching assistant*

2010

I taught a section of STAT 101 lab during my first semester at ISU

### University of North Florida

Jacksonville

*Graduate teaching assistant*

2008–2010

While earning my MS I was supported by the department on a teaching assistantship.

## Duval County Public Schools

Teacher

Jacksonville

2006–2008

After graduation, I taught at Robert E. Lee High School in Jacksonville, where I helped establish the school's first film club.

## Computing Tools

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**Statistics:** SAS, R, Weka, FORTRAN, a little C    **Reporting:**  $\text{\LaTeX}$ , Markdown, HTML, Office

**Data Management:** SQL (SQLite, MySQL)    **Editing:** Vim, shell, perl, vimscrip, git

## Data mining

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- Data Mining cup 2013: I am very interested in machine learning and data mining. In 2013 I participated in the Data Mining Cup, an international data mining competition sponsored by Prudsys. The problem was based on classifying online shoppers as buyers or not based on a set of variables. We came in 5th place, were the highest ranked team in the US and were invited by Prudsys to Berlin to present our solution.
- Data Mining cup 2014: In 2013 I again participated in the Data Mining Cup. This year's problem involved classifying online purchases based on whether or not they were eventually returned. We won the competition this year. We were once again invited to Berlin by Prudsys and (more excitingly) presented our methods to the entire statistics department during one of the semesters seminars.
- Kaggle: I have participated in three Kaggle competitions since summer 2013, to varying degrees of success.

## Awards

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- UNF Math Undergraduate Student of the Year (2006)
- UNF Summer Biology Student Award (2006)
- UNF Statistics Graduate Student of the Year (2010)
- GlaxoSmithKline Scholar award (2010)

## Professional References

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- Dr. Ulrike Genschel // Iowa State // 1-515-294-7766
- Dr. Stephen Vardeman // Iowa State // 1-515-294-2535
- Andrea Kaplan // Iowa State // 1-515-294-7749