

# Jordan Barry

1001 Leadership Place, Killeen, TX 76549

## Employment History

Adjunct Professor, Mathematics: 08/17-Present

Employer: Austin Community College

Supervisor: Carolyn Reed [creed@austincc.edu](mailto:creed@austincc.edu)

Hr/week: 30

Job Duties:

- Teach Mathematics and Statistics courses
- Assess student progress, grade work
- Write and administer tests
- Research/office work

Adjunct Professor, Mathematics: 01/17-Present

Employer: Texas A&M University-Central Texas

Supervisor: Chris Thron [thron@tamuct.edu](mailto:thron@tamuct.edu)

Hr/week: 10

Job Duties:

- Teach Discrete Mathematics course
- Assess student progress, grade work
- Write and administer tests
- Research/office work

P-Fresh Team Member: 10/12-Present

Employer: Target 5401 Bosque Blvd. Waco, TX

Supervisor: Tiffany McQueen (254)-399-0067

Hr/week: 30-40

Job Duties:

- Manage Produce Inventory
- Assist Store Guests with Purchases
- Cleaning and Stocking
- Other duties as needed

Graduate Assistant, Mathematics: 08/15-05/16

Employer: Texas A&M University-Central Texas

Supervisor: Chris Thron [thron@tamuct.edu](mailto:thron@tamuct.edu)

Hr/week: 20

Job Duties:

- Proofreading
- Book editing
- Research

- Web design/development

### Math-Lab Tutor: 08/13-05/14

Employer: McLennan Community College 1400 College Drive Waco, TX

Supervisor: Ming Chow (254)-299-8836

Hr/week: 12

Job Duties:

- Help Students with math course work
- Developmental Math, College Algebra, Business Math, Calculus I-III, etc.
- Lab maintenance and cleaning

### General Manager: 04/03-08/12

Employer: Big Time Design Co.

Supervisor: Matt McCoy (817)-300-7678

Hr/week: 50-60

Job Duties:

- Payroll
- Scheduling
- Managing a staff of 50 artists, lead artists and supervisors
- Hiring/ HR duties
- Maintenance

### Graduate Assistant: 08/09-08/11

Employer: University of Oklahoma 660 Parrington Oval, Norman, OK

Supervisor: Sarah Reichardt

Hr/week: 20

Job Duties:

- Teaching Aural Skills
- Grading Written Music Theory
- Student Tutoring

## Education

Texas A&M University-Central Texas: 08/14-12/16 M.S., Mathematics

University of Oklahoma: 08/09-05/11 M.M., Music Theory

University of Texas at Arlington: 08/05-05/09 B.M., Music Theory

## Computer Skills

Proficiency with C++; MATLAB coding and scripting; building mathematical models with Excel; experience computing statistical data with R; non-academic work with Python for predictive modeling and machine learning. I have some Java and HTML experience. In addition, I have limited experience with JavaScript,

Haskell, and Visual Basic. Basic computer/Internet skills and proficiency with Microsoft Office Suite/LibreOffice. I have used PC, Mac, and Linux (Ubuntu, OpenSUSE, Raspbian) operating systems. I have some knowledge of shell scripting and use of ownCloud and other open-source database software.

## **Scholarly Work and Research**

*A Physics-based model for target coverage.* Conference presentation. IBII International Conference on Mathematics and Applications. Houston, TX April 2016.

*A Physics-based model for target coverage.* Master's Thesis.

*An efficient scalable sensor node placement algorithm for fixed target coverage applications of wireless sensor networks.* With A. Njoya, C. Thron, W. Abdou, T. Emmanuel, et al. in IET Wireless Sensor Systems, 04/2017.

*A Computational Physics-based Algorithm for Target Coverage Problems.* With C. Thron. Book chapter in Advances in Nature-inspired Computing and Applications, Forthcoming.

## **References**

Available on request.