Trevor A. Presgrave

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**Education**

**Ph.D.** University of Cincinnati, Cincinnati, OH 2015

Major: Information Systems

Advisor: Dr. Vivek Choudhury

Dissertation Title: *“Collaborative Search*

*Engines: Toward a Meta-Design*

*for Improving the User Experience”*

Support Area(s): Computer Science, Quantitative Analysis

**Graduate Certificate.** University of Cincinnati, Cincinnati, OH 2017 (Expected)

Major: Online and Blended Learning

**M.S.** University of Kentucky, Lexington, KY 2008

Major: Computer Science

**M.S.M.** Case Western Reserve University, Cleveland, OH 2005

Major: Operations Research

Minor(s): Operations Management

**B.S.** Ohio Northern University with High Distinction, Ada, OH 2003

Major: Computer Science

Minor(s): Applied Mathematics, Business Administration

**Teaching Interests**

-Computer Programming

-Data Structures and Algorithms

-Databases

-Computer Hardware and Networking

-Computer Security

-System Analysis and Software Engineering

-Operations Research

**Teaching Experience**

*Hybrid Courses Taught*

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| **Assistant Professor of MPCS: University of Cincinnati Blue Ash 2013 to Present** | **# of Sections** |
| IT2040C Fundamentals of Web Development (Undergraduate) | 1 |

*Face to Face Courses Taught*

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| **Assistant Professor of MPCS: University of Cincinnati Blue Ash 2013 to Present** | **# of Sections** |
| IT1050 Fundamentals of IT (Undergraduate) | 15 |
| IT2040C Fundamentals of Web Development (Undergraduate) | 7 |
| IT3047C Web Server Application Development (Undergraduate) | 1 |
| Math 1012 Mathematics in Management Science (Undergraduate) | 3 |
| MATH1014 Mathematics of Social Choice (Undergraduate) | 2 |
| MATH1008 Fundamentals of QR (Undergraduate) | 4 |
| STAT1031 Introduction to Statistics (Undergraduate) | 4 |
| MATH0029 Math Literacy (Undergraduate) | 1 |

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| **Graduate Teaching Assistant: University of Cincinnati (Main)– 2008 to 2013** | **# of Sections** |
| Advanced Application Development (Undergraduate) | 4 |
| Advanced System Design (Undergraduate) | 1 |
| Java in the Enterprise (Graduate) | 3 |
| Advanced Java (Graduate) | 1 |

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| **The Art Institute of Cincinnati – 2011 to 2013** | **# of Sections** |
| Remedial Algebra (Undergraduate) | 2 |
| College Algebra (Undergraduate) | 1 |

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| **Ohio University Zanesville – 2007 to 2008** | **# of Sections** |
| Remedial Algebra (Undergraduate) | 3 |
| College Algebra (Undergraduate) | 2 |

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| **University of Kentucky – 2005 to 2007** | **# of Sections** |
| Introduction to Computer Programming (Undergraduate) | 3 |

*Courses as Teaching Assistant*

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| **University of Cincinnati – 2008 to Present** | **# of Sections** |
| Data Modeling and Database Design (Graduate) | 3 |
| Computer Problem Solving for Business (Undergraduate) | 7 |

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| **University of Kentucky – 2005 to 2007** | **# of Sections** |
| Introduction to Computer Programming (Undergraduate) | 2 |

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| **Case Western Reserve University – 2003 to 2005** | **# of Sections** |
| Computer Programming (Graduate) | 2 |
| Integrated Problem Solving in OR and OM (Graduate) | 1 |
| Data Structures (Graduate) | 1 |

**Industry Experience**

**Internship**, CorrectCare,

Lexington, KY, Summer 2007

Developing Hepatitis C management software version 2 in Ruby on Rails, modifying Ruby

on Rails claims management system, developing Ruby on Rails payroll system version 2.

**Internship**, CorrectCare,

Lexington, KY, Summer 2006,

Maintaining Hepatitis C management software in Ruby on Rails, modifying java program to

import data into Oracle, developing Ruby on Rails payroll system.

**Internship**, CampusEAI,  
Cleveland, OH, Summer 2004  
Conducting technical research for developers, configuring computer systems, scheduling meetings, coordinating conferences, and mediating teleconferences.

**Research**

**Research Interests**

-Collaborative Search Engines

-Databases

-Recommender Systems

-Human factors in Information Security

**Working Papers**

“*Collaborative Search Engines*” with Dr. Vivek Choudhury

In this paper, we hypothesize a set of features that would improve user satisfaction with the collaborative search experience. These hypotheses are then tested empirically, putting a standard search against one with features specifically designed to support collaboration. Preparing for *Information Systems Research*.

“*R-Face: A web-based GUI for generating R commands.*”

R is a free, industrial grade piece of statistics software that is readily available to students. However, for many students the command line interface can prove daunting. I am developing and testing a web-based tool to make R easier for students in introductory statistics classes to use. Preparing for *Technology Innovations in Statistics Education.*

**Service**

**Departmental Service:**

-Departmental Reappointment Promotion and Tenure Committee (2013-2016)

-Developmental Math Faculty Search Committee (2014-2015)

-Information Technology Assessment Subcommittee (2014-Present)

-Distance Learning Subcommittee (2014-Present)

**College Service:**

-Strategic Planning Committee (2014-2017)

-Decanal Laptop Committee (2015)

-Scholarship and Honors Committee (2016-Present)

**University Service:**

- IT representative to the Cross College Curriculum Committee (2014-Present)

**Professional Service:**

-Reviewer for Academy of Management Conference, Organizational Communication and Information Systems track: 2010, 2011, 2016.

**Professional Development**

**Conference Presentations**

- (Accepted) “R-Face, A New Tool for Teaching Statistics” 3T: Teaching, Techniques and Technology. UC Clermont. 2017

**Learning Communities and Institutes**

-Participated in Peer Review of Scholarly Teaching Learning Community, Fall 2013

-Exemplary completion of Distance Learning Design Seminar, Spring 2014

-Participated in Classroom Research Faculty Learning Community, 2015-2016

-Active Learning Classroom Design Weeklong Institute, 2015

**Conferences Attended**

- 3T: Teaching, Techniques and Technology. UC Clermont. 2014

- 3T: Teaching, Techniques and Technology. UC Clermont. 2015

- Learning & Teaching at UC Conference. UC Clifton. 2016

# Awards and Honors

-2013 Lindner College of Business Outstanding Graduate Student Teaching Award, University of Cincinnati

-Nominated: 2012 Excellence in Teaching Award for Graduate Assistants, University of Cincinnati

-Nominated: 2012 Daniel J. Westerbeck Junior Faculty Graduate Teaching Award, University of Cincinnati

-Dean’s List for Teaching Excellence, University of Cincinnati (four times)

-Outstanding Student Reviewer for (OCIS) Conference. 2011

**Technical Skills**

**Software Suites**

Microsoft Office, Windows, Oracle, Postgres, SPSS, R, SAS, Eclipse, Visual Studios .NET

**Programming Languages**

Java, C, C++, C#, Python, JavaScript, Ruby, Matlab, Prolog, SQL, COBOL, MIPS, Pascal, S SAS, VBA, JSP

**Professional Memberships**

Association for Computing Machinery

Association for Information Systems