

CURRICULUM VITAE

ERIC BENGFORT

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Education

M.S.	2020	Computer Science and Engineering. University of North Texas; Denton, TX
M.S.	2011	Mathematics. Texas Woman's University; Denton, TX
B.S.	2010	Mathematics. Minor: Computer Science. Texas Woman's University; Denton, TX
B.S.	2008	Real Time Interactive Simulation (Computer Science). Minor: Mathematics. DigiPen Institute of Technology; Redmond, WA
A.S.	2004	General Studies. North Central Texas College; Gainesville, TX

Employment

2020-Present	Mathematics Professor	Grayson College
2012-2020	Adjunct Instructor	TWU Math & Computer Science Dept.
2012-2019	Academic Advisor	NCTC Counseling & Testing Center
2012-2020	Peer Math Tutor	NCTC Student Success Center
2011	Graduate Teaching Assistant	TWU Math & Computer Science Dept.
2010	Graduate Assistant	TWU Math & Computer Science Dept.
2010-2011	College Instructor	NCTC Computer Science Dept.
2009-2010	Peer Math Tutor	NCTC Student Success Center
2008-2009	Software Engineer	Super Happy Fun Fun, Inc.
2007-2008	Teacher's Assistant	DigiPen Math Dept.
2002-2004	Peer Math Tutor	NCTC Learning Center
2001-2002	Part-Time Sales	Leather Loft Outlet Store

TEACHING

Courses Taught at Grayson College (2020-Present)

Undergraduate

MATH 2312.A01NT – Precalculus Mathematics (Fall 2020)
MATH 1342.A60 – Elementary Statistical Methods (Fall 2020)
MATH 0420.A01 – Math Literacy For College (Fall 2020)
MATH 1314.A01NT – College Algebra (Fall 2020)
MATH 1314.A65 – College Algebra (Fall 2020)

Courses Taught at TWU (2011-2020)

Undergraduate

CSCI 2443.01 - Comp Org & Machine Language (Spring 2020)
CSCI 3002.01 - Advanced Computing Technology (Spring 2020)
MATH 1023.01 - Introduction to Math (Spring 2020)
CSCI 3053.02 - Data Structures (Fall 2019)
MATH 1123.05 - Transition to College Math (Fall 2019)
CSCI 3002.01 - Advanced Computing Technology (Fall 2019)
CSCI 2443.01 - Comp Org & Machine Language (Spring 2019)
CSCI 3002.02 - Advanced Computing Technology (Spring 2019)
MATH 1703.10 - Elementary Statistics I (Spring 2019)
MATH 1123.06 - Transition to College Math (Fall 2018)
CSCI 2433.01 - Microcomputer Applications (Fall 2018)
CSCI 3002.02 - Advanced Computing Technology (Fall 2018)
CSCI 3002.01 - Advanced Computing Technology (Spring 2018)
CSCI 3013.02 - Applied Computational Thinking (Spring 2018)
MATH 1703.07 - Elementary Statistics I (Spring 2018)
CSCI 1403.01 - A First Course in Computing (Fall 2017)
CSCI 3002.01 - Advanced Computing Technology (Fall 2017)
MATH 1113.05 - Fundamentals of Algebra (Fall 2017)
CSCI 3053.01 - Data Structures (Fall 2017)
CSCI 1403.01 - A First Course in Computing (Spring 2017)
CSCI 3002.01 - Advanced Computing Technology (Spring 2017)
MATH 1013.02 - Finances & Quantitative Literacy (Spring 2017)
CSCI 1403.01 - A First Course in Computing (Fall 2016)
CSCI 2433.02 - Microcomputer Applications (Fall 2016)
MATH 1703.06 - Elementary Statistics I (Fall 2016)
MATH 1703.07 - Elementary Statistics I (Fall 2016)
MATH 1013.02 - Finances & Quantitative Literacy (Spring 2016)
MATH 1703.09 - Elementary Statistics I (Spring 2016)
MATH 1703.12 - Elementary Statistics I (Spring 2016)
MATH 1013.05 - Finances & Quantitative Literacy (Fall 2015)
MATH 1013.09 - Finances & Quantitative Literacy (Fall 2015)
MATH 1023.01 - Introduction to Math (Fall 2015)
MATH 1023.02 - Introduction to Math (Fall 2015)
MATH 1013.03 - Finances & Quantitative Literacy (Spring 2015)
MATH 1703.07 - Elementary Statistics I (Spring 2015)
MATH 1703.12 - Elementary Statistics I (Spring 2015)
MATH 1703.03 - Elementary Statistics I (Fall 2014)

MATH 1703.07 - Elementary Statistics I (Fall 2014)
MATH 1703.11 - Elementary Statistics I (Fall 2014)
MATH 1023.02 - Introduction to Math (Fall 2014)
MATH 1303.02 – Elementary Analysis I (Spring 2014)
MATH 1013.07 - Finances & Quantitative Literacy (Spring 2014)
MATH 1303.01 – Elementary Analysis I (Fall 2013)
MATH 1303.02 – Elementary Analysis I (Fall 2013)
MATH 1013.03 - Finances & Quantitative Literacy (Spring 2013)
MATH 1013.04 - Finances & Quantitative Literacy (Spring 2013)
MATH 1023.01 - Introduction to Math (Spring 2013)
MATH 1013.14 - Finances & Quantitative Literacy (Fall 2012)
MATH 1013.16 - Finances & Quantitative Literacy (Fall 2012)
MATH 1023.02 - Introduction to Math (Fall 2012)
MATH 1703.11 - Elementary Statistics I (Fall 2012)
MATH 1013.03 - Finances & Quantitative Literacy (Spring 2012)
MATH 1023.01 - Introduction to Math (Spring 2012)
MATH 1703.08 - Elementary Statistics I (Spring 2012)
MATH 1703.01 - Elementary Statistics I (Fall 2011)
MATH 1013.01 - Finances & Quantitative Literacy (Fall 2011)
MATH 1013.12 - Finances & Quantitative Literacy (Fall 2011)
MATH 1023.01 - Introduction to Math (Summer 2011)
MATH 1013.07 - Quantitative Literacy (Spring 2011)
MATH 1013.08 - Quantitative Literacy (Spring 2011)

Courses Taught at NCTC (2010-2011)

Undergraduate

GAME1303 - Introduction to Game Design (Fall 2011)
GAME1309 - Introduction to Animation (Fall 2011)
GAME1306 - Design and Creation of Games (Fall 2010)
GAME2303 - Artificial Intelligence for Programmers (Spring 2010)
GAME1359 - Game & Simulation Programming II (Spring 2010)

AWARDS, HONORS AND SCHOLARLY ACTIVITIES

NCTC Lion Pride Award Recipient (2016)
Outstanding Living Learning Community Faculty Member (2015-2016 academic year)
UNT Graduate Exhibit Winner – 2nd Place (2015)
TWU Graduate Summa cum Laude
Awarded Maurine Faulkner Endowed Scholarship (2011)
Attended Harlan Miller Banquet & Lecture (2011)
Inducted into Phi Kappa Phi Honor Society
Second Place - Federation of North Texas Area Universities Annual Research Symposium (2011)
TWU Graduate Magna cum Laude
Awarded Maurine Faulkner Endowed Scholarship (2010)
Attended Harlan Miller Banquet & Lecture (2010)
Inducted into Kappa Mu Epsilon Mathematics Honor Society
Reviewed and gave feedback for an unpublished Conics College Textbook
S-STEM Scholarship Recipient - TWU Member of Dean's List - DigiPen
NCTC Graduate Summa cum Laude
Creative Writing Club

RESEARCH

Presentations

True Security for Private Cloud Data

University of North Texas Graduate Exhibit; UNT Gateway Center (March 7, 2015).

Simulating Entity Behavior using Bayesian Statistics

MathFest 2010 National Conference; Omni William Penn Hotel (August 5, 2010).

Student Creative Arts & Research Symposium; TWU (April 20, 2010).

NTASC Conference; Midwestern State University (April 10, 2010).

Training a Neural Network to play Checkers

Federation of North Texas Area Universities 2nd Annual Research Symposium (March 25, 2011).

Student Creative Arts & Research Symposium; TWU (April 13, 2011).

Using Differential Equations to Model Phenomena

Student Creative Arts & Research Symposium; TWU (April 12, 2011).

Publications

Bayesian Learning on Dependent Features (*November 2011*)

Reasoning under Uncertainty - The Sokoban Problem (*In preparation*)

An algorithm I created using a modified A* search algorithm to compute the ideal solution of a given NP-hard Sokoban Puzzle.

RETAIL PRODUCTS

Triple Header Sports

A Plug & Play Video Game. Software Engineer - Programmer.

Release Date: Fall 2010 - In Stores Now.

Big Buck Hunter Pro

A Plug & Play Video Game. Software Engineer - Programmer and Designer.

Release Date: Fall 2009 - In Stores Now.