

GAVIN HUGH GOODALL

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EDUCATION

COLORADO SCHOOL OF MINES, Golden, CO August 2012- present
Currently pursuing PhD in Operations Research with Engineering, Minor in Statistics; 3.53 GPA
Research interests include Distributed Generation, Statistical data analysis, and social Operations Research

UNIVERSITY OF FLORIDA, Gainesville, FL Graduated 2007
B.S. in Food Service and Human Nutrition; 3.22 GPA

BROWARD COMMUNITY COLLEGE, Davie, FL 2002-2005
A.A. General Studies; GPA 3.88

RELEVANT WORK EXPERIENCE

ROCKY MOUNTAIN PREP APRIL 2015 – JUNE 2016

Director of Data and Assessment

- Conducted analysis of assessments and demographic data, also responsible for coaching teachers and Admin on data issues
- Built independent gradebook and report card system for two schools using the Illuminate system
- Produced detailed data analyses of ANet, MAP, PARCC, STEP and Interim Assessment data using the R software and Tableau
- Consulted with teachers to build custom data reports to support instruction and student grouping
- Managed and rostered all students for online systems and assessments and supported teachers in accessing systems

COLORADO SCHOOL OF MINES 2012 – present

Research Assistant

- Research assistant for an Office of Naval Research funded project to reduce fuel consumption at forward operating bases.

Instructor (Fall 2016)

- Taught EBGN325, Introduction to Operations Research, to 20 undergraduate students. The course was centered around using optimization models and techniques to solve business problems using Microsoft Excel.

Grader and Teaching Assistant (2012-2013)

- Graded undergraduate and graduate level coursework for Operations Research Survey Course and Network Models.

NATIONAL RENEWABLE ENERGY LABORATORY Summer 2014

Research Intern

- Worked on a statistical load generation tool with the aim of generating energy load profiles for an optimization model
- Collaborated with teams from Georgia Tech and CERL.

CONCERNED AFRICAN WOMEN 2011-2012

School Counselor

- Ran violence prevention program in a low-income middle school in Miami Public Schools.
- Led 12 week long parenting classes.

DENVER PUBLIC SCHOOLS 2007 – 2011

Mathematics Teacher –Bruce Randolph School (2009-2011)

Mathematics Teacher/Teach for America Corps Member – North High School (2007-2009)

- Taught for four years at Title 1 schools with over 95% free and reduced lunch population.
- Student Achievement: Named an Exceeds Expectations Teacher for the District 2009-2010 and 2010-2011
- Coaching: coached basketball and girls' soccer at Bruce Randolph; coached Varsity Tennis at North High School.
- ACT Prep: Started and coordinated ACT prep classes at both North and Bruce Randolph where none had previously existed. Brought in volunteers from Colorado School of Mines to support Bruce Randolph classes.

VOLUNTEER AND SERVICE WORK

BRUCE RANDOLPH SCHOOL, Denver, CO

ACT Tutor, 2009-2015

- Still running ACT prep classes – tutoring students and coordinating college visits and tours to Colorado School of Mines.

UNIVERSITY OF FLORIDA, Gainesville, FL

2006-2007 Presidential Service Award Recipient

- Awarded by President's Council on Service and Civic Participation to students who performed 100+ hours of service in a year.

President of Gator Humanics, Director in Center for Leadership and Service, 2006-2007

- Led organization dedicated to preparing students for nonprofit sector. Organized logistics and delegation for grant writing and fundraising workshops for students and local non-profits, round table for students to ask questions to local non-profit leaders, and led efforts for members to attend national conference in San Diego, CA. Helped plan and lead teams in school-wide service events with other service organization presidents.

Director of Community Service for the Caribbean Students' Association, 2005-2006

- Led effort to adopt local street and organized clean-ups, organized visits to Make-A-Wish Foundation in Orlando, and bowling event with members of Association for Retarded Citizens.

President of The American West Indian Club (TAWIC), 2003-2004

- Let student organization dedicated to providing a welcoming community for West Indian students at Broward Community College in South Florida. Organized conference trips, fundraising and social events. Grew the membership from 4 people to over 50 during my tenure.

RELEVANT SKILLS

AMPL coding; R programming; LaTeX; Beamer; Microsoft Excel; C++; Python, HTML