HANNAH CORREIA

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OBJECTIVE

To pursue graduate studies and obtain a Ph.D. in order to utilize my varied talents in the sciences

SUMMARY

- Highly-motivated, consistently achieving academic excellence through conduct and performance.
- Effective communicator with ability to lead, reach consensus, and establish and reach goals.
- Independent thinker seeking to develop new solutions to enhance scientific research and enrich career growth.

EDUCATION

Ph.D., Biology, Auburn University, Auburn, AL, 2018
M.S., Statistics, Auburn University, Auburn, AL, 2015
B.A., Biology and Mathematics, Huntingdon College, Montgomery, AL, 2011

ACADEMIC HONORS AND AWARDS

- Graduated from Huntingdon College with Cum Laude honors (3.50 GPA)
- Huntingdon College Dean's List of High Honors, Spring 2010 and Spring 2011; Dean's List of Honors, Fall 2009
- Sigma Sigma Sigma Leadership Honors Society
- Omicron Delta Kappa Honors Society
- Beta Beta Beta Biological Honors Society
- Kappa Mu Epsilon Mathematics Honors Society
- Air Force Aid Society General Henry H. Arnold Academic Grant recipient, 2007-2011
- Huntingdon College James W. Wilson Academic Scholarship recipient, 2006-2011

PUBLICATIONS

"Darwin Meets Graph Theory on a Strange Planet: Counting Full n-ary Trees with Labeled Leafs," Barnett, Johnathan; Correia, Hannah; Johnson, Peter; Laughlin, Michael; Wilson, Kathryn. *Alabama Journal of Mathematics*, Vol. 35, Spring/Fall 2010 Issue.

EXPERIENCE

Graduate Teaching Assistant, Auburn University, Auburn, AL, August 2013 – present
- Graded for two Calculus I classes while maintaining a 4.0 GPA in the fall semester.
- Graded for a Linear Algebra class of over 90 students in the spring semester while maintaining a full course-load.
- Obtained good working knowledge of SAS, a statistical software suite, through graduate classes and research.

National Science Foundation Research Experience for Undergraduates, Auburn University, Auburn, AL, June-July 2010
- One of seven undergraduates chosen after application process to conduct research in areas of algebra and discrete mathematics under the supervision of Drs. Overtoun Jenda and Peter Johnson.
- Worked with Drs. Overtoun Jenda and Peter Johnson to actively gain knowledge and insight for furthering research topics; gained knowledge of research process, publication, and presentation methods
- Obtained good working knowledge of Sage, an open-source mathematical software alternative to Magma, Maple, Mathematica, and MatLab.
- Identified and constructed a formula/ result for a graph theory problem on biological phylogenies within a subgroup of four; summarized speedily in writing the team's ideas; worked with co-operation of group to produce a presentation and PowerPoint to summarize the team's ideas, which was presented to an audience comprising of mathematics professors and graduate students at Auburn University.
- Research work taken to conclusion with a proof created during mathematics capstone project the following fall semester.

Chiropractic Assistant, Zink Chiropractic, Montgomery, AL, August 2006-August 2013
- Processed up to 600 practice members notes weekly; resorted, updated, and managed over 1200 patient files.
- Prepared over 350 practice members each week for adjustments and maintained equipment.
- Conducted 6 new-patient assessments and x-rays a week.
- Organized and answered customers telephone enquiries, planned and coordinated appointment times with customers' schedules; frontline for customer complaints and ensured customer satisfaction was exceeded.

Science Olympiad Division B Coordinating Intern, Trinity Presbyterian School, Montgomery, AL, August 2011-March 2012
- Developed and managed study information and tools for 26 events; uploaded and maintained study materials, rules, and practice tests on Edmodo site to provide instant access to all materials for event coaches and students.
- Provided intellectual and technical support to 7 event coaches and their students for the design, construction, testing, and operation of all devices required in the building events.
- Organized meetings between coaches and their students each week; ensured meetings were attended properly and progress was satisfactory toward Science Olympiad competition days.

Private Tutor, Montgomery, AL, August 2007-August 2011
- Provided private instruction to upper high school and college students to improve academic performance to prepare for academic tests; raised ACT score by 3 points and improved students academic performance; increased self-confidence in academically challenging math and science disciplines.
- Identified, developed, and implemented tutoring plans for students; prepared lesson plans for tutoring sessions according to students' needs and goals; assessed students' progress throughout tutoring sessions; and communicated students' progress to students and parents.
- Taught students study skills, note-taking skills, and test-taking strategies.

ACTIVITIES

Vice President and Events Co-ordinator, Commuter Student Organization, Huntingdon College, Montgomery, AL, 2009-2011
- Planned, developed, and implemented programs, agendas, budgets, and services for a 300 member student body representing 40% of Huntingdon College's enrollment to meet organization's objectives and requirements.
- Met with sponsors, organization officers, and faculty to plan events' scope and format; successfully accomplished events such as fundraisers, community service, marketing, and social activities within budget.
- Coordinated with 5-person staff, and providers on services for events, such as facilities, catering, signage, promotions, printing and event security; ensured compliance with applicable regulations and laws.

Office Administrator, Huntingdon College Student Life, Montgomery, AL, August 2009-May 2010
- Performed general office duties for the Vice President of Student Affairs/Dean of Students and his 5-member staff.
- Greeted visitors, answered phone calls and directed and resolved their enquiries to the appropriate office or staff member.

SOFTWARE SKILLS
- Microsoft Office – Word, Excel, PowerPoint, Publisher
- Sage: Open Source Mathematics Software
- SAS – Business Analytics and Business Intelligence Software