

AISHA J. CHEN

EDUCATION

PhD in Industrial Applied Mathematics and Engineering
California State University Long Beach – Long Beach, CA
Claremont Graduate University – Claremont, CA

Claremont GPA: 3.3/4.0

CSULB GPA: 3.8/4.0

Graduation: Dec 2019

Master of Science in Mathematics

Claremont Graduate University – Claremont, CA

Graduate GPA: 3.513/4.0

Bachelor of Science in Applied Mathematics

Minor: Chemistry

Geneva College – Beaver Falls, PA

Undergraduate GPA: 3.6/4.0

RESEARCH INTEREST

Machine learning in Systems Biology; Biomechanics; Partial differential equations on surfaces

EMPLOYMENT

Assistant Professor

Aug. 2020-Present

Azusa Pacific University, Azusa, CA

- Create syllabi and lecturing material for computer science and computer engineering courses.
- Create and grade assignments, labs, and test

Lecturer

Jan. 2016-May 2020

California State University Long Beach, Long Beach, CA

- Create syllabi and lecturing material for computer science and computer engineering courses.
- Create syllabi and lecturing material for biomedical engineering courses.
- Create and grade quizzes, labs, and test

Adjunct Professor

Sept. 2019-Dec.2019

Azusa Pacific University, Azusa, CA

- Create syllabi and lecturing material for “Introduction to Computer Science”
- Create and grade assignments, labs, and test

SAT and ACT Tutor

Jan. 2015-Feb. 2016

Test Prep Gurus, Seal Beach, CA

- Helped students understand how to succeed in the Math and Science section of the ACT and the Math section of the SAT
- Assigned homework for students each section and explain problems that were missed

SAT, ACT and College Prep Instructor

June 2014-June 2015

Priority Institute of Education, Rancho Cucamonga, CA

- Developed lesson plan for all classes
- Helped students understand how to succeed in the Math, Critical Reading, Writing, Vocabulary, and Essay SAT sections and Math and Science ACT sections
- Tutored Algebra I and II, Calculus, Organic Chemistry I and II in preparation of college Math and Chemistry courses
- Assigned and graded homework for Math, English, Science and Organic Chemistry

Teaching Assistant

Sept. 2014-Dec. 2014

Claremont Graduate University, Claremont, CA

- Graded and created solutions for Probability homework and quizzes
- Gave students feedback on homework problems

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EMPLOYMENT (CONT.)

Research Assistant May 2013-Dec. 2013

Claremont McKenna College, Claremont, CA

- Provided research on Closest Point Method and Surface PDEs
- Developed computer programs to analyze Closest Point Method
- Provided proofs for computational methods

Grader

Jan. 2012-May 2012

Claremont Graduate University, Claremont, CA

- Graded Homework for Statistics
- Gave students feedback on homework problems

Intern

Alabama State University, Montgomery, AL

June 2010-July 2010

- Performed lab work, i.e. culturing cells, running nano-silver experiment, calculating concentrations
- Gained experience with flowcytometer
- Designed and presented poster at end of internship

Organic Chemistry and SCS Lab Assistant, Chemistry Department

Jan. 2010-May 2011

Geneva College, Beaver Falls, PA

- Helped students and professor during lab
- Mixed solutions before lab
- Graded Quizzes

COMPUTER SKILLS

Python	MATLAB	Mathematica	C++	Excel
Visual Basic	SaS	SQL	Java	R

FELLOWSHIPS AND AWARDS

IGERT Fellowship	2015-2017
GSC Fellowship, Claremont Graduate	2013-2014
CGU Fellowship, Claremont Graduate	2011-2014
Dean's List, Geneva College	2008-2011

PAPERS, CONFERENCES AND PRESENTATIONS

Chen A, Selvaraj S, Krishnan V, Asgari S. Accuracy and Reliability of Onset Detection Algorithms in Gait Initiation for Healthy Controls and Participants With Parkinson's Disease. *J Appl Biomech.* 2019 Oct 18:1-8. doi:10.1123/jab.2018-0431.

Moore, A., Asgari, S., & Krishnan, V. The Effect of Light Touch on Stability During Quiet Standing. *CSUPERB.* 2017. Santa Clara, CA

Sedighian, P., Moore, A., Krishnan, V., & Asgari, S. Comparison of Gait Initiation Characteristics with And Without Additional Load. *BMES Annual Meeting.* 2017. Phoenix, AZ

Moore, A., Sedighian, P., Asgari, S., & Krishnan, V. The Effect of Vision Compared to Additional Support On Stability After A Perturbation. *BMES Annual Meeting.* 2017. Phoenix, AZ

Moore, A., Sedighian, P., Gardiner, N., Krishnan, V., & Asgari, S. A Comparison of EMG Normalization Techniques in Gait Initiation and Perturbation Studies. *Gait & Clinical Movement Analysis Society.* 2017. Salt Lake City, UT

ASSOCIATIONS

BMES	SIAM	GCMAS
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