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 5040 Buckingham Road
Boulder, CO 80301 USA

EDUCATION

- MS **University of Colorado Boulder** | 3.94 GPA August 2021 – Present
Computer Science (Anticipated: 05/23)
- BS **University of Colorado Denver** | 3.45 GPA August 2008 - May 2013
Chemistry | Certificate: American Chemical Society
Biology

INDUSTRY EXPERIENCE

SGS (Wheat Ridge, CO)
Volatile Organic Department

Analytical Chemist

May 2016 – May 2019

Excels at method development to troubleshoot, update standard operating procedures, and enhance workflow to remedy current or potential issues.

Organic Department

Laboratory Technician

August 2015 – May 2016

Cautiously performed numerous EPA methods including drinking water, wastewater, and soil with great accuracy.

UCHealth (Colorado, United States)

Physical Therapy and Rehabilitation Clinic

Patient Access Representative

August 2012 – August 2015

Ensured the patients are top priority. I did this by integrating patient's request into my workflow, which created and maintained a positive relationship. Greet patients, answer phone calls, order supplies, check and request insurance authorizations, and schedule appointments.

Undergraduate Pre-Health Program

Student Internship

May 2012 – May 2013

I shadowed various departments at UCHealth during the summer, which gave me valuable insights about the health care field. Throughout the year, I attended monthly workshops about the medical field and discussed topics involving health disparities.

TEACHING EXPERIENCE

University of Colorado Denver (Denver, CO)

Chemistry Department

Teaching Assistant | Organic Chemistry Lab I

August 2011 - May 2013

Responsible for preparing and leading weekly lectures, demonstrated laboratory techniques, and assisted

students through their experiments. Also, I wrote quizzes and graded assignments.

Grader | Biochemistry

August 2012 - May 2013

Assisted in grading assignment and held office hours to help students by working through problems as a group.

RESEARCH EXPERIENCE

University of Colorado Anschutz Medical Campus (Aurora, CO)

Biochemistry and Molecular Genetics | Principal Investigator: Elan Eisenmesser, PhD

Undergraduate Research Assistant - Internship

August 2009 - August 2011

Successfully expressed, refolded, purified, and analyzed various proteins and peptides with results published in Protein Science.

PUBLICATIONS

Kendrick, Agnieszka A., Michael J. Holliday, Nancy G. Isern, Fengli Zhang, Carlo Camilloni, **Chi Huynh**, Michele Vendruscolo, Geoffrey Armstrong, and Elan Z. Eisenmesser. The dynamics of interleukin-8 and its interaction with human CXCR1 receptor I peptide. In *Proceedings of the Protein Science 23.4*, (2014).

PROJECTS

Random Search Strategies In Herbivores, Carnivores, and Omnivores

2021

Recent research has shown that animals move through unfavorable and extremely variable environmental conditions using random search strategies, specifically the one simulated by composite correlated random walk (CCRW) model. Utilizing R and eight animal datasets from MoveBank, we explored the effectiveness of CCRW and Levy walk on three different dietary preference: herbivores, carnivores, and omnivores. We determined that the CCRW remains as the better model to depict movements when compared to Levy walk, regardless of diet.

Stellarium Code Contributor

2020

Stellarium uses OpenGL to render realistic images of the sky, in real time, straight from the comfort of your computer. After teaching myself Qt, I successfully merged pull requests made by the Stellarium community. I implemented a recent search function for ease of usability and updated the user's manual to reflect the changes. Also, activated a sorting mechanism that was shown to be helpful.

SKILLS

Programming

- Python
- C/C++
- Scala
- Java
- R
- MATLAB
- SQL
- MS SQL Server
- SciPy
- NumPy
- sklearn
- Qt
- Git
- Linux

COURSEWORK

- Computer Science 2: Data Structures
- Discrete Structures
- Principles of Programming Languages
- Introduction to Data Science with Probability and Statistics
- Probabilistic Models
- Cybersecurity
- Machine Learning (Spring 2022)
- Computer Systems
- Discrete Structures Workgroup
- Algorithms
- Dynamic Models in Biology
- Natural Language Processing
- Design and Analysis of Algorithms
- Big Data Architecture (Spring 2022)

AFFILIATIONS, AWARDS, AND HONORS

<i>Gamma Sigma Epsilon National Chemistry Honor Society Phi Beta Chapter</i> President: August 2011 - May 2013 Vice President: May 2011 - August 2011	<i>University of Colorado Denver Chemistry Club</i> President: August 2011 - May 2013 Member: August 2008 - August 2011
<i>American Chemical Society (ACS)</i> Member: August 2008 - Present	<i>ACS - Green Chemistry Award</i> 2008

VOLUNTEER

<i>So All May Eat (SAME) Café</i> A non-profit organization with the goal of creating a community through providing access to health food. I helped prepared those healthy meals for anyone in the community, regardless of their ability to pay.	Volunteer
<i>Habitat for Humanity</i> Helped individuals within the community in need of a helping hand by doing yardwork.	Volunteer