Christina A. Chance

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EDUCATION

University of California, Los Angeles, CA — *Ph.D.*
September 2022 - Expected Graduation June 2027
Ph.D. Computer Science/ **3.8 GPA**
Emory University, Atlanta, GA — *Undergraduate*
August 2018 - May 2022 (Magna Cum Laude)
B.S. Mathematics and Computer Science (minor in Physics) **3.75 GPA**

RESEARCH EXPERIENCE

Natural Language Processing Lab— *Graduate Student Researcher*
September 2022 - Present
Advisor: Dr. Kai-Wei Chang

Arnold Lab— *Undergraduate Research Assistant/Honors Thesis*
August 2021 - August 2022
Advisor: Dr. Dorian Arnold
- Assessing Zoom's closed captioning tool for African American Vernacular English to uncover biases in the system by comparing accuracy for AAVE speakers and Standard American English speakers

Bhasin Systems Biomedicine Lab— *Undergraduate Research Assistant*
August 2020 - August 2021
Advisor: Dr. Manoj Bhasin
- Assisted in implementing TCRQuant online tool to support analysis of t-cell receptor sequencing; translated command-line tool to run on public server using PHP, Javascript, R, and web developing and styling tools
- Created an online database to support gene splicing data to support researchers and medical expert in analyzing relationships in the data

TECHNICAL EXPERIENCE

Google LLC, Virtual Internship — *Software Engineer Intern*
May 2021 - August 2021
- Designed and implemented a feature to provide Google Cloud Storage customers with the ability to further protect their data by asymmetrically encrypting their Customer Supplied Encryption Key with a JSON payload using Java, Python, and C+
- Utilized Tink, an open-source encryption library, and customer documentation to provide users with an approachable and improved encryption process

Google LLC, Virtual Internship — *Student Training in Engineering Program Intern*
May 2020 - August 2020
- Ideated, designed, and executed Covidiena, a web application for university students during the COVID pandemic to track health and stay updated with their school announcements and information
- Implemented user authentication using HTTP Sessions and hashing to ensure individualized user experiences and allow multiple users using Cloud Datastore

Google LLC, New York, NY — *Engineering Practicum Intern*
May 2019 - August 2019
- Created a system that generates simple explanatory summaries of top contributions to a change in metrics utilizing past data, differing dimensions, and relative metrics of interest with Python and GoogleSQL
- Constructed backend that generated complex SQL statements based on performance metrics and manipulated data to perform trend analysis

Google's Computer Science Summer Institute (CSSI), Cambridge, MA — *Student*
July 2018
- Participated in a three-week intensive coding boot camp focused on programming and web app development using HTML/CSS, Javascript, Python, and Google App Engine
- Developed and deployed "Eventify" a web application that allows users to find and share events near them with 2 other scholars using Python and HTML/CSS, during the last week of the program

LEADERSHIP & COMMUNITY ENGAGEMENT
Graduate Women in Computer Science, Los Angeles, CA — *Treasurer*
September 2022 - Present

Black Graduate Student Alliance, Los Angeles, CA — *Historian*
September 2022 - Present

College Council, Atlanta, GA — *Vice President of Student Affairs*
April 2021 - May 2022

Black & Latinx in STEM, Atlanta, GA — *Co-Founder/ President*
January 2020 - May 2022

Emory Residence Life, Atlanta, GA — *Sophomore Advisor /Resident Advisor*
August 2019 - May 2022

Multicultural Outreach at Emory, Atlanta, GA — *Mentor*
August 2019 - May 2020

Association of Caribbean Educators & Students, Atlanta, GA — *Treasurer Intern/ Treasurer*
September 2018 - May 2022

TECHNICAL SKILLS
Java, Python, SQL, HTML/CSS , JavaScript, PHP, MATLAB

AWARDS & HONORS
Eugene V. Cota-Robles Fellow	2012 - Present
100 Senior Honorary	2021-2022
Emory's Computer Science Outstanding Student of the Year	2021-2022

PROFESSIONAL & ACADEMIC AFFILIATIONS
Hartford Youth Scholars	Cohort 7
Ron Brown Scholars Captain	2018
Girls for Technology	2017 - 2022
Initiative for Maximizing Student Development (IMSD) Scholar	2020 - 2022
Emory's Scholarly Inquiry and Research at Emory (SIRE) Program	2020 - 2021
Alpha Sigma Chapter of Eta Sigma Pi	Spring 2020 Initiate
Emory's Circle of Omicron Delta Kappa	Spring 2020 Initiate
Nu Alpha Chapter of Alpha Kappa Alpha Sorority Inc.	Spring 2021 Initiate