

# MAHIMA AGRAWAL

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## EDUCATION

### Tufts University

Medford, MA

Major in Community Health (CH), Computer Science (CS)

May 2020

- **GPA:** 3.73/4.00 CH course load: 3.7, CS course load: 3.8
- **Dean's List:** Fall 2016, Spring 2017, Fall 2017, Spring 2018, Fall 2018

### The Hockaday School for Girls

Dallas, TX

High School Diploma

June 2016

- **GPA:** 3.67/4.00 **SAT:** 2290 **ACT:** 36
- **Awards:** National Merit Finalist, Presidential Award Semifinalist
- Fundraised over \$500 on behalf of the Red Cross to provide aid for Nepal following the 2015 Earthquake

## SKILLS

**Relevant Coursework:** Computation Theory, Cyber Security, Data Structures, Epidemiology, Global Health, Health Care in America, Health Ethics and Policy, Health Statistics, Machine Structure and Assembly Language Programming, Medical Sociology, Multivariable Calculus  
**Languages:** Extensive experience with C, C++; Fluent in Python; Proficient in JavaScript, React Native  
**Microsoft Office:** Word, Excel, PowerPoint, Outlook, **Adobe:** Illustrator, Photoshop, **Security:** Wireshark, Metasploit, John the Ripper

## PROFESSIONAL EXPERIENCE

### National Institutes of Health, Clinical Center

Bethesda, MD

Research Intern

June 2018 – Aug 2018

- Assist in research within the Social Work Department regarding the prevalence of drug resistance to HIV, particularly its link with treatment adherence and mental health
- Interview patients, providers, study coordinators, nurses, researchers, and more on their experiences with HIV treatment
- Present a poster titled "Psychosocial Interventions for Treatment Adherence among People Living with HIV/AIDS"

### Peer Health Exchange

Boston, MA

Senior Health Educator

Oct 2016 – Present

- Teach health education classes to high schools in the greater Boston area, covering topics such as contraception, consent, and mental health.
- Received trauma training, which assisted in recognizing the causes of adverse behavior as well as how to address this.
- Received cultural competency trainings, which promoted discussions of health as it is influenced by the social-ecological model. Included training regarding the differing experiences of varying races, sexual identities, gender identities, and so forth.
- Assist members new to the organization and mentor them in teaching skills, providing guidance on managing difficult classroom situations.

### Mantra Telecom

Irving, TX

Health Resources Administrator

June 2017 – Aug 2017

- Managed employee health status information in health, dental, vision, and life insurance plans as well tracked individuals' claims.
- Analyzed health care plan proposals for the 2017-2018 fiscal year and assisted in the determination of the most appropriate health plan.
- Met with the company's health care representative to negotiate the prices and benefits of the chosen plan.

## LEADERSHIP

### Chi Alpha Chapter of the Chi Omega Sorority at Tufts University

Medford, MA

Diversity Chair

Nov 2017 – Dec 2018

- Sit on the executive board and facilitate discussion regarding the values, actions, and presentation of the sorority.
- Set a framework for this role and outline a foundation for what measures the sorority intends to take to address diversity and inclusion.
- Connect with other on campus organizations to foster communication and plan events surrounding the topic of inclusion and acceptance.
- Act as the voice for marginalized populations within the chapter and consider the cultural nuance and respect required of each member.

## PROJECTS

### National Institutes of Health, Clinical Center

- Research Poster, *Psychosocial Interventions for Treatment Adherence among People Living with HIV/AIDS* Aug 2018
  - A literature review of various treatment modalities to address treatment non-adherence and non-compliance of care among people living with HIV/AIDS with a focus on psychosocial factors, specifically social support, mental health, and health literacy.

### Coursework

- Emulator for Universal Machine (*Programmed in C*) Apr 2018
- Image Compression and Decompression Program (*Programmed in C*) Mar 2018
- Medication Adherence Tracking Application (*programmed in React Native*) Dec 2018
  - An application aiming to incentivize adherence to and reporting of doctor prescribed medication by introducing an entertainment and/or gaming element to the process. Features include a network database, a robust local setup, and image recognition tools.