MAHIMA AGRAWAL

mahimaagrawal1@gmail.com | (469) 226-6812 | 159 Carl St Apt 3, San Francisco, CA 94117

EDUCATION

Tufts University   **Medford, MA**
B.S. in Computer Science (CS), Community Health (CH)   *May 2020*
- **GPA:** 3.73/4.00
- **Dean's List:** Fall 2016 - Spring 2020

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.

Tufts University, Coursework
- Undergraduate Thesis, *Examining Bias in Machine Learning Tools for the Diagnosis of Attention-Deficit/Hyperactivity Disorder*   *May 2020*
  - Reviewed existing machine learning applications to ADHD diagnosis through the context of both the Social Determinants of Health and algorithmic fairness principles.

PROFESSIONAL EXPERIENCE

Fitbit   **San Francisco, CA**
Software Engineer   *June 2021-Present*
- Develop and maintain a menstrual health tracking mobile application with support for cycle tracking, period and fertility predictions, and symptom logging.
- Implement Android UIs and APIs in Kotlin to support key user journeys related to content education, data collection, and data visualization.

Google Health   **Mountain View, CA**
Software Engineer   *July 2020-May 2021*
- Developed APIs across C++, Java, and Dart aimed at supporting users in their health care planning and management journey by connecting health records, personal health goals, and preventive health care tasks in a single mobile application.
- Designed and implemented a relational database pattern to support storage of user supplied health experiences alongside hospital, insurance, and immunization records.

MLPB (Medical Legal Partnership Boston)   **Boston, MA**
Legal Intern   *Sep 2019-Dec 2010*
- Reviewed case law relevant to patient consultations, identifying legal avenues to assist patients and healthcare workers in care management journeys.
- Performed qualitative data transcription and analysis to identify common themes and experiences presented by healthcare providers who attended team led legal workshops.

Datavant, Inc.   **San Francisco, CA**
Software Engineering Intern   *June 2019-Aug 2019*
- Developed client facing software seeking to connect silo-ed datasets of healthcare information with the goal of streamlining the relationship between healthcare and data technology to produce better patient care and health outcomes.
- Completed a project focused on surfacing and visualizing data through database design, SQL, charting libraries, and front end development.

National Institutes of Health, Clinical Center   **Bethesda, MD**
Research Intern   *June 2018 – Aug 2018*
- Completed clinical trial research within the Social Work Department regarding treatment adherence, mental health, and the prevalence of drug resistance to HIV, presenting a poster summarizing my findings at the end of the program.
- Interviewed patients, providers, study coordinators, nurses, researchers, and more on their experiences with HIV treatment.

Peer Health Exchange   **Boston, MA**
Coordinator (previous: Leadership Council Member, Senior Health Educator, Health Educator)   *Oct 2016 – May 2020*
- Taught health education classes at high schools in the greater Boston area, covering topics such as contraception, consent, and mental health.
- Facilitated implicit bias trainings designed to promote discussions of health as it is influenced by the social-ecological model.
- Mentored new members on their teaching skills, providing guidance on managing difficult classroom situations.

SKILLS

Relevant Coursework: Computation Theory, Cyber Security, Data Structures, Databases, Epidemiology, Global Health, Health and Human Rights, Healthcare in America, Health Statistics, Machine Structure and Assembly Language Programming, Programming Languages
Extensive experience: C, C++, Java, Kotlin, Python, SQL; **Fluent:** CSS, Dart, HTML, JavaScript, R **Proficient:** ReactNative, Haskell, SML, Scheme
Tools and Libraries: Git, Jetpack Compose, Flask, jQuery, Plotly, SQlAlchemy, SQLite, CI/CD, Periscope, LaTeX, John the Ripper, Metasploit