

# Labanya Mukhopadhyay

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## EDUCATION

**University of California, Berkeley- Computer Science 2018-2022**  
(510) 642-6000

- Regents and Chancellor's Scholar (awarded to top 1% of incoming freshman).
- Courses: The Structure and Interpretation of Computer Programs, Designing Information Devices and Systems I

**Evergreen Valley High School 2014-2018**

- Graduated magna cum laude with 4.32 GPA.
- Courses: AP Computer Science A, Calculus AB & BC, AP Physics 1 & C

## TECHNICAL SKILLS

Java, Python, HTML/CSS, Javascript, React, XCode/Swift, Robotics, R Programming, Leadership

## WORK EXPERIENCE

**Research Intern, UCSF Mission Bay- 6/2017 - 8/2017 - San Francisco, CA**

- Worked at the Institute for Computation Health Sciences, UCSF, on the project "Characterizing Normal Pregnancy related to Utero Arsenic Exposure".
- Compiled gene expression data from NCBI GEO database using Microarray search tools.
- Performed statistical analysis on data using R programming, GEOquery and limma packages

**Research Intern, University of Connecticut- 8/2016 - 3/2017 - Mansfield, CT**

- Worked with UConn School of Pharmacy on the project "A Computation Approach for the Mechanistic Understanding of Powder Flow at Different Conditions".
- Developed Java software to perform calculations on big data and researched blending methods to achieve desired concentration most efficiently.

**Founder and President, Hellobots- 8/2015 - Current - San Jose, CA**

- Founded Hellobots nonprofit organization to teach robotics to Bay Area youth.
- Providing quality free STEM education to 1000+ students through workshops, programs, and events.
- Partnering with local businesses and brands for grants/sponsorships for funding.

## PROJECTS

- **CommunityText:** Community-forming site that collects inspirational texted responses from users (Won Best Use of mLab at Spectra Hackathon 2018)
  - Tools: Twilio API, React, mongoDB mLab
- **Aliment:** iOS mobile application to deliver food to nearby food shelters (Won 2nd Place Overall Hack at Pixel HacksII 2018)
  - Tools: XCode, Swift

## AWARDS

- **UC Berkeley Alumni Association Leadership Award**
- **Intel International Science and Engineering Fair 2017 Special Award** from United Technologies Corporation and \$3,000 in UTC common stock
- **FIRST Tech Challenge Dean's List Finalist 2017** chosen of 150 worldwide for FTC team leadership as captain and lead programmer
- **Certificate of Distinction Award 2016** from National Center for Women and Technology (NCWIT)