

# SATOE SAKUMA

## CONTACT

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## EDUCATION

### Master's

Health Policy

Harvard T.H. Chan School

2025-2026

### Bachelor's

Computer Science / International  
Relations

Boston University

2013-2017

### High School Diploma

Illinois Math & Science Academy

2008-2011

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## AWARDS

Phi Beta Kappa

Eben Tisdale Fellowship

Provost's Scholar Award

Dean's List – 7 Semesters

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## VOLUNTEER EXPERIENCE

**Beth Israel Lahey Hospice**

Companion

Reading, MA

2026 - Current

## SUMMARY

Innovative software engineer with expertise in leveraging data-driven solutions to address complex healthcare challenges. Experienced in designing and implementing technologies that optimize healthcare delivery and improve patient outcomes. Passionate about advancing public health through statistical modeling, AI, and applied analytics

## PROFESSIONAL EXPERIENCE

### Engineering Director

Firefly Health, Watertown, MA | 2023 - 2025

- Led Health plan and Navigation engineering teams through network and third party administrator transitions

### Senior Manager

Firefly Health, Watertown, MA | 2022 - 2023

- Directed development of referral system that improved referral follow through rates by 15%
- Restructured eligibility workflows to reduce cost by 75%

### Software Engineer

Firefly Health, Watertown, MA | 2019 - 2022

- Led team to shorten and reduce friction in sign-up flow to double patient sign-up conversion

### Software Engineer II

Wayfair, Boston, MA | 2017 - 2019

- Led creation of warehousing tool for inbound visibility to better understand capacity at time of customer checkout

### Software Engineer Internship

Samsung Electronics, Burlington, MA | 2016 - 2017

- Built quantum mechanics platform for researchers to search and visualize stability of compounds to run theoretical experiments to advance battery research

### Software Development Intern

Humanyze, Boston, MA | 2016 - 2017

- Developed tool to monitor integrity of data collecting equipment to reduce debugging errors

### Tisdale Fellow

Computing Research Association, Washington D.C | 2016-2016

- Published analysis of tech agenda and examined diversity on computing on CRA blog
- Researched and drafted memo to analyze the impact of Digital Millenium Copyright Act (DMCA)