

# Alexander Soto

dynamicmetaflow.github.io  
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## EDUCATION

### NORTHEASTERN UNIVERSITY

MS In Computer Science  
Expected May 2021 | Boston, MA

### SALEM STATE UNIVERSITY

BS In Political Science  
May 2010 | Salem, MA  
Cum. GPA: 3.5

## LINKS

GitHub://DynamicMetaFlow

## COURSEWORK

### GRADUATE

Intensive Foundations of Computer Science  
Discrete and Data Structures

## SKILLS

### PROGRAMMING

• C • Java • Python • Racket

## EXPERIENCE

### MARGARITA MUÑIZ ACADEMY | TECHNOLOGY TEACHER

Sep 2016 - Aug 2018 | Boston, MA

- Created a curriculum that exposes students to various areas of computer science: p5.js, Arduino, Raspberry Pi, computer-aided design, 3D printing, robotics and web development.
- Taught Computer Science and provided instructions to students using a dual language model.
- Prepared lessons according to the understanding level of students and created opportunities for students to explore.
- Provide technical support to staff and students.

### UNITED WAY OF MASSACHUSETTS | NORTH SHORE AMERICORPS

Aug 2015 - Aug 2016 | Boston, MA

- Provide tutoring, mentoring and family support services to help reduce the school dropout rate among immigrant students in Lynn Vocational Technical Institute
- Work in a team environment with 12+ people in different schools and agencies to provide a net service model to the immigrant population in Lynn.
- Community outreach to parents and provide updates on student's progress and school events.
- Started ELL after-school program to assist ELL students in core-subject areas and teaching students computer programming using Racket and Scratch.
- Participate and mentor students in FIRST Robotics Competition.

### RESILIENT CODERS | MENTOR

Nov 2015 - Nov 2016 | Boston, MA

- Provide mentoring to high-school students from traditionally under-served communities and teach the fundamentals of computational thinking and programming.
- Involved in developing and implementing a curriculum with Executive Director to use in the after-school program.

### JUSTICE AT WORK | VOLUNTEER

Sep 2014 - Aug 2015 | Boston, MA

- Involved in technological project, using worker's smartphones for retrieval of time-sheet data.
- Maintain and extend Salesforce database.
- Generate reports from Salesforce database.
- Assisted Executive Director on day to day support.
- Assist in major events in coordination and setup.

### NEIGHBOR TO NEIGHBOR | VOLUNTEER

Sep 2014 - Sep 2015 | Boston, MA

- Develop and distributed educational materials to use for workshops and outreach.
- Participated and assisted in workshops and outreach for the community at large.
- Worked with the Martha Coakley Campaign and promoted ballot Question 4 - Earned Sick Time.
- Participated in a team environment working with several unions, allies and members of the community.
- Assisted in canvassing to get out the vote on primary and midterm election.
- Coordinated and assisted with public demonstrations and actions.

## **CENTRO PRESENTE | WORKER RIGHTS ORGANIZER**

April 2011 - January 2012 | Boston, MA

- Negotiate with employers to resolve worker labor disputes while managing multiple cases of labor rights abuses with MA Attorney General's office and other partners.
- Manage high-profile grassroots workers' rights campaigns, in coordination with workers and the Executive Director.
- Coordinate weekly worker in-take sessions both in group and individually as needed.
- Develop and coordinate education workshops to improve the leadership capacities of immigrant workers.
- Facilitated an Immigrant Workers Rights Committee and Conduct weekly home visits and outreach activities.

## **NO MORE DEATHS | VOLUNTEER**

Spring 2010 | Tucson, AZ

- Provided aid to migrants and documented human rights abuses on the U.S/Mexico Border.
- Assisted in publishing reports to identify and expose conditions faced by migrants.

## **OFFICE OF SENATOR JOHN KERRY |**

CONGRESSIONAL INTERN UNITED STATES SENATE

Summer 2009 | Washington, DC

- Researched and analyzed policies on healthcare; climate change; transportation; education; and, immigration.
- Researched and responded to issues brought forth by constituents and regularly attended congressional hearings.
- Provided assistance to legislative, press and administrative staff in addition to data entry, telephones and mail sorting.

## **WITNESS FOR PEACE | DELEGATE TO COLOMBIA**

Summer 2009 | Washington, DC

- Met with local communities, organizations and businesses to understand the effects of U.S economic and labor policy.
- Deeply involved in publicizing human rights violations fostering solidarity and social justice at home.

## **DEPARTMENT OF INFORMATION TECHNOLOGY |**

HEAD SUPERVISOR, STUDENT EMPLOYEE

2006 To December 2010 | Salem State University, Salem, MA

- Created the infrastructure for the automated installation of Windows operating systems through a network deployment from a central server.
- Utilize mediation and problem solving skills; in conjunction with organizational skills to perform daily duties.
- Employ effective management, technical, and supervisory skills in a productive work environment.
- Thorough understanding of computer and networking concepts.
- Able to prioritize in a complex, fast-paced environment.
- Assisted in trainings for new technicians and provided proper support, would aid in student presentations.