

# Zaki Araujo

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## Education

### WENTWORTH INSTITUTE OF TECHNOLOGY

Boston, MA

Dual Enrollment Computer Science Coursework

GPA: A+

Relevant Coursework: Discrete Mathematics, Computer Science I & II

### JOHN D O'BRYANT SCHOOL OF MATH AND SCIENCE

Boston MA

Engineering and Computer Science Pathway

June 2023

National Honors Society and Head Masters award on multiple terms.

GPA 4.4

## Experience

### ANALOG DEVICES INC

Willmington MA

#### Highschool Engineering Intern

July 2022 – August 2022

- Programmed streams to a stream bus processor trigger commands to the board's other parts. My team was responsible for the Digital Front End portion of the communications chips used in 5g cell towers.
- Optimized systems to use Machine Learning Digital Predistortion in order to compensate for charge trapping within GaN PA power amplifiers which add increased gain to our output signals resulting in a higher error vector magnitude and out-of-band noise.
- Gained experience with Linux operating system, Register Transfer Level code, and Console Commands.

### THE LEAH PROJECT STEM INTERNSHIP

Boston MA

#### Intern

July 2021 – August 2021

- Received intensive training on STEM topics relevant to the LEAH curriculum.
- Met high school students from across Boston and gained a support network.
- Gaining exposure to STEM careers and studies and various possible workplace experiences.

### HEBREW COLLEGE COVID-19 COMMISSION

Boston MA

#### Youth Commissioner

January 2021 – June 2021

- Advocated alongside a diverse group of youth from Boston. Addressing the challenges of the COVID-19 pandemic, including some longstanding justice issues for my community.
- Designed media elements for the social media front.
- Took steps to make everlasting changes to our communities.

### SOLUTIONS FOR ALL

Boston MA

#### Computer Repairs Specialist

January 2019 – January 2020

- Performed serval computer repairs and custom computer assemblies.
- Commended for performance in repairs and customer service and strong working knowledge of computers and computer operating systems.

## Leadership & Activities

### NATIONAL SOCIETY OF HIGH SCHOOL SCHOLARS

Boston MA

#### Scholar

September 2020 – June 2023

- Highly recognized since 10th grade for high marks and commitment to education, service, commitment to diversity, and inclusion.

## Skills

**Technical:** Java, C, Python, Html, CSS, and Javascript

**Language:** Cape Verdean Kriolo