

Charles Onesti

46 Cedar Lane • Bronxville, NY 10708 • charlesonesti@college.harvard.edu • 914-282-8189

Education

HARVARD UNIVERSITY

AB, Computer Science GPA: 4.00

Cambridge, MA

Expected May 2023

Relevant Coursework: Computer Science, Linear Algebra, Multivariable Calculus, Microeconomics, Statistics

RIVERDALE COUNTRY SCHOOL

Diploma

New York, NY

June 2019

ACT: 36, Math II SAT Subject: 800, French SAT Subject: 790

Varsity Soccer, Squash (Captain), and Crew

Experience

DEV

Cambridge, MA

Software Engineer

January 2020 – Present

- Developed backend infrastructure and for CarrierSource, a logistics networking platform
- Built and maintained database infrastructure to edit and access large datasets of over 15 million entries using GraphQL and Knex

CREATIVE ENGINEERING

Bronxville, NY

Design Engineer Intern

July 2019 – August 2019

- Machined a prototype for a US Military defense product from hardened steel with drill press and saw
- Converted a manual lathe into a computer numerical control (CNC) lathe
- Created CAD models and toolpaths for machine parts in Fusion360 for CNC mill fabrication

NEPTUNE WEB

Lexington, MA

Product Management Intern

June 2018 – July 2018

- Reviewed and tested product versions of Sofilytics, an automated digital marketing dashboard software
- Wrote three reports for senior software engineer outlining key areas for UI improvement
- Conducted market research on digital marketing industry, focusing on trends and competitors

Leadership and Activities

HARVARD OPEN DATA PROJECT

Cambridge, MA

Partnerships Co-Director

September 2019 – Present

- Analyzed Harvard Undergraduate Council elections data and published two articles
- Created graphical illustration of datasets using the Seaborn Python package

Y2Y HARVARD SQUARE

Cambridge, MA

Case Manager

September 2019 – Present

- Provide homeless youth guests (ages 18-24) support resources and pathways out of homelessness
- Helped 40 guests attain identifications, secure transitional housing, and find employment opportunities

BRONX SHELTER PROJECT

Bronxville, NY

Founder and Director

August 2015 – Present

- Charity project that supplies Bronx homeless shelters with living essentials such as toiletries and clothes
- Collected over 8000 items from local businesses and individuals and delivered them to 5 affiliated shelters in the Bronx (bronxshelterproject.org)

Skills & Interests

Technical: Python, JavaScript, C, R, OCaml, HTML, CSS, TensorFlow, Node.js, React, GraphQL

Interests: Philosophy, Sports, Literature, Conversational French and Italian