**Caroline M. Abel**

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Morristown, NJ 07960 (973)-525-4668

**Education**

**HARVARD UNIVERSITY**

A.B. in Computer Science; GPA: 3.80 May 2023

Relevant coursework: Intro to Theoretical CS, Data Structures and Algorithms, Solving and Optimizing,

Abstraction and Design in Computation, Discrete Mathematics for CS, Intro to Probability

**HARVARD BUSINESS SCHOOL CREDENTIAL OF READINESS (CORe) ONLINE**

**Highest Honors Certificate** May-August 2020

Business Analytics, Economics for Managers, and Financial Accounting.

**OAK KNOLL SCHOOL** Summit, NJ

Cum Laude Society, High Honors, National AP Scholar, Girl Scout Gold Award June 2019

**Technical Skills**

**Programming:** C, Python, Java, React, OCaml, JavaScript, SQL, HTML, CSS

**Operating systems:** Windows 7, 10, MAC OS

**Relevant Experience**

**LOVAGE LABS INC.** Remote

**Full Stack Software Engineer** May 2021-Present

First paid engineer at pre-seed AI startup collaborating with founders on software engineering and DevOps.

Utilizing FastAPI, AWS, HashiCorp products, Dialogflow, Stripe, MongoDB Atlas, and more.

**ENVIRONMENTAL DEFENSE FUND** Remote

**Volunteer Web App Developer through Develop for Good** April-June 2021

Helped create website for community members to report environmental hazards.

**ARTIFICIAL INTELLIGENCE FOR SOCIAL GOOD LAB** Harvard University

**Research Assistant** February 2021-Present

Learning legal wildlife trade transportation cost to identify illegal wildlife trade using gradient descent.

**CS50 (INTRODUCTION TO CS)** Harvard CS Department

**Teaching Fellow** September-December 2020

Led weekly section of ~25 students, graded assignments, ran office hours, and advised final projects.

Taught and used C, Python, SQL, JavaScript, and HTML/CSS.

**COVEDUCATION** Remote

**Volunteer Web Developer** June-August 2020

Worked part-time on web development team building a new website using React.js for CovEducation,

a non-profit continuing K-12 education in the US during the COVID-19 outbreak.

**BOT BEGONE** December 2019

Worked with two students to create a website that gamifies Twitter bothunting with 76% accuracy.

**NJ GOVERNOR’S SCHOOL OF ENGINEERING AND TECHNOLOGY**  Rutgers University, NJ

“Adaptive Feedback Protocol for Underwater Vehicles via Software-Defined Acoustic Modems.” July2018

Presented at 2018 IEEE MIT Undergraduate Research Technology Conference. Awarded ‘Best Paper.’

**GIRLS WHO CODE SUMMER IMMERSION PROGRAM** New York, NY

**Hosted by AppNexus** July-August 2017

**Work Experience**

**R. SEELAUS & CO, INC.** Summit, NJ

**Paid Summer Intern** May-August 2019

Worked on Asset Management and Broker Dealer teams. Earned Bloomberg Market Concepts Certificate.

**Languages and Interests**

Spanish (Intermediate to Advanced)**,** Squash, French Horn, Travel