

Henry Dowling

65 Meadow Road • Greenwich, CT 06878 • hdowling@college.harvard.edu • 203 252 9989 • [GitHub](#) • [Linkedin](#)

Education

HARVARD UNIVERSITY

Cambridge, MA

A.B. Applied Mathematics/ focus area in Computer Science. GPA: 3.63 / 4.0

May 2022

Coursework in product design, honors linear algebra, honors real analysis, algorithms, cryptography, probability theory, group theory and differential equations.

STUDY ABROAD

Paris, France

Coursework in mathematics at Université Paris Diderot.

January 2019 – May 2019

Work Experience

REX

Redwood City, CA

Program Management Intern

June 2020 – Present

- Work will include auditing current chat feature for shortcomings, proposing solution and driving implementation.

BUBBLE

Remote

Software Engineering Intern

September 2020 – May 2020

- Wrote production-quality code impacting **700,000+** apps reaching **2m+** end users.
- Implemented smart batching algorithm that reduced end-user app buffer times by **>30%**.
- Improved page pre-caching, decreasing page load time by **>10%**.

QWALLY

Boston, MA

Product Management Intern

June 2019 – December 2019

- Developed feature that will be used by **10,000+** small businesses.
- Analyzed data from **300,000+** potential customers to clarify business objectives.
- Increased customer interview coverage by **>70%**.

Leadership and Activities

HARVARD COLLEGE SYMPHONY SOCIETY

Cambridge, MA

Co-President

September 2017 – Present

- Directed group that provides free trips to the Boston Symphony for students.
- Led the planning, publicity, and logistics of trips for **600+** students annually.
- Secured **\$10,000+** in subsidies from Symphony leadership and alumni sponsors.

HARVARD CLUB SWIMMING

Cambridge, MA

Meet Coordinator

May 2018 – May 2020

- Organized, promoted and ran 2 swim meets per year involving **150+ athletes**.
- Worked with athletic director and pool manager to plan **50+ hours** of staffing per meet.

Selected Projects

NPP APPROXIMATOR

April 2020

- Built heuristic solver for NP-hard NPP problem comparing several approximation methods.
- Implemented bespoke data structure to reduce runtime by **> 85%**.

Skills

Technical: Javascript, node.js, react.js, C++, Python, HTML, CSS, SQL, Looker, Twilio