

# Henry Bao

☎ (646)-436-6622 | ✉ [henry@bao.nyc](mailto:henry@bao.nyc) | 🏠 [bao.nyc](http://bao.nyc) | 📷 [henry-bao](https://www.instagram.com/henry-bao) | 🌐 [henglibao](https://www.linkedin.com/in/henglibao)

## Education

### University of Washington

B.S. IN INFORMATICS

Seattle, WA

2019 Fall - 2023 Summer

- GPA: 3.8/4.0
- Annual Dean's List (2020-2021): Awarded to undergraduate students with outstanding scholarship and dedication to their studies

## Experience

### NetPrism

CO-FOUNDER

Seattle, WA

2022 Summer - Present

- NetPrism is a software company with the aim of empowering end-users to make intelligent data-driven decisions via our data analytics and processing platform.
- Built a Node.js RESTful API server as a tool to extract, analyze and process data readily available online.
- Utilized NetPrism API to develop a mobile application called "Restock Alerts" that allows users to monitor any online retailer's inventory and product cost.
- "Restock Alerts" is available on both Android and Apple platforms. Currently, there are more than 5k registered users across all platforms that hold the application in high regard as Restock Alerts is rated 4.7 and 5.0 out of 5 stars on Apple and Android, respectively. To date, the application is monitoring over 10k unique items across 20 different retailers and has 50 premium members.

## Projects

### PetMeet

SCHOOL PROJECT

2022 Spring - 2022 Summer

- An iOS application designed for pet owners to effectively find friends for their pets online.
- Utilized SwiftUI, UIKit and Storyboard to declare a modern user interfaces for end-users.
- Incorporated Firebase as back-end solution for image and data persistence.

### TypeScript Compiler Architecture Analysis

SCHOOL PROJECT

2022 Winter - 2022 Spring

- A detailed component-level architecture analysis of the TypeScript compiler from multiple viewpoints.
- Identified styles and patterns used by the code base, and assessed the architectural quality in terms of established principles.
- Determined architectural flaws in the existing code structure and made system improvements by applying code refactoring accordingly.

### Goal Husky!

SCHOOL PROJECT

2021 Spring - 2021 Summer

- Collaborated with a team of four to built a responsive web app using the React web framework.
- The website allows users to view and interact with goals that other people have published and provides data persistence through Firebase for any additional goal sharing.
- Designed to help students at the University of Washington to find like-minded people to accomplish different sets of goals and increase productivity during the pandemic.

### Vade

LEAD DEVELOPER

2020 Winter - 2022 Spring

- A multi-purpose Discord Bot aimed to elevate the user experience on the platform by offering features such as automated server moderation, advanced music playlist system, and alternative bot interactions for users with disability and impairment.
- Gathered over 300k total users across more than 1000 different communities within five months of launch.
- Brought in advertisement sponsorship to fund the project and provided features that were usually behind a paywall on other competitors.
- Tech stack used includes TypeScript/JavaScript, Node.JS, MongoDB, Linux, and Git.

## Skills

### Programming

Java, JavaScript/TypeScript, Swift, HTML/CSS, R

### Frameworks

Bootstrap, Puppeteer, Playwright, Mongoose, jQuery, React.JS, ggplot2, tidyR

### Tools

Linux, Git, Docker, Figma, MongoDB, Azure SQL Server, Firebase, R Studio