

# Holden Schermer

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## EDUCATION

### Harvard University

Cambridge, MA

*Bachelor of Arts in Computer Science, Bachelor of Arts in Economics*

Aug. 2023 – May 2027

- Relevant Coursework: Vector Calculus and Linear Algebra, Intro to Computer Science, Discrete Math for Computer Science, Abstraction and Design in Computation, Intro to Algorithms and their Limitations

## EXPERIENCE

### AI Product Manager Intern

May 2024 – September 2024

*Wyze*

*Kirkland, WA*

- Conducted in-depth market research to help Wyze transition from a cloud-native to an AI-native business model
- Authored a comprehensive Product Requirements Document (PRD) for an innovative AI-focused product
- Designed UX prototypes using Figma and worked with the engineering team to develop a mobile application in Swift, featuring AI-powered object detection and inventory management functionalities

### Harvard Tech for Social Good Project Manager & Software Engineer

August 2023 – Present

*Misión Multiplica*

*Cambridge, MA*

- Led team of engineers to develop a project matching dashboard for Misión Multiplica, enhancing transparency, collaboration, and streamlining the funding process between 900+ NGOs and donor foundations in Latin America

*SIRUM*

*Cambridge, MA*

- Implemented a data scraping and analysis solution using the Reddit JSON API to track mentions of 500+ specific in-need medications, enhancing SIRUM's ability to perform its goal of redistributing surplus drug supply

*Ersilia*

*Cambridge, MA*

- Developed Python submodule in Ersilia CLI to analyze AI model data on a Splunk infectious disease server

### Harvard Product Lab Associate Product Manager

September 2024 – Present

*Snackpass*

*Cambridge, MA*

- Conducted user experience interviews with restaurant managers and servers to identify pain points in cloud-based POS systems, informing product strategies to enhance Snackpass's dine-in experience offerings

### Harvard Data Analytics Group Case Analyst

September 2024 – Present

*Major Hunger Relief Nonprofit*

*Cambridge, MA*

- Developed Tableau visualizations for a hunger relief nonprofit's product distribution and inventory, while advising the data analytics team on improving operational efficiency using insights from Excel and Python

### Full Stack Web Development Intern

May 2023 – September 2023

*National Oceanic and Atmospheric Administration*

*Honolulu, HI*

- Collaborated with a partner intern to develop a comprehensive full stack website dedicated to the identification, education, and establishment of a public database for the critically endangered Hawaiian monk seal species
- Created REST API backend built with Node.js, Express.js and PostgreSQL containing all known Hawaiian monk seal identification data sourced directly from NOAA
- Designed a monk seal sighting questionnaire based on marine biologists' methods, allowing citizens to contribute to seal tracking, and visualized data through individual profile pages with family trees for 230 seals

## PROJECTS

### VeritasGPT | *OpenAI API, BeautifulSoup, Python, HTML/CSS/JavaScript*

September 2024 – Present

- Contributed to AI course planning tool for Harvard students that generates 4-year plans by integrating concentration data, study abroad options, and concurrent master's programs, using LLMs, web scraping, and vector embeddings

### Guess Who? (Online Board Game) | *React, Express, Bootstrap, MySQL*

November 2023 – January 2024

- Developed a full stack web game enabling users to create personalized "Guess Who?" boards including images
- Implemented multiplayer functionality, enabling users to share their boards with others via unique game codes

### Canvas Assignment Auto-Scheduler | *Canvas API, Google Apps Script, Google Sheets*

August 2022 – June 2023

- Coded and distributed an auto-scheduling assignment creation tool to 55 teachers for the Canvas LMS

## TECHNICAL SKILLS

**Languages:** Python, C, SQL, Swift, JavaScript, HTML, CSS, R, Dart

**Software Tools:** React.js, Node.js, Express.js, Flutter, Firebase, Supabase, PostgreSQL, MySQL, Google Cloud SQL, AWS, Git, ChatGPT API, Microsoft Suite, Google Suite, Google Maps API, Tableau, Excel