

Sevastian Venegas

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EDUCATION

Princeton University

Princeton, NJ

Bachelor of Engineering in Computer Science, Minors in Entrepreneurship and Bioengineering

Expected May 2028

- **Major GPA: 3.8/4.0**
- **Relevant Coursework:** Data Structures and Algorithms (Java), Introduction to Programming Systems (C, Assembly)
- **COS 448:** Innovating Across Technology, Business, and Marketplaces — Startup-focused course covering **venture creation, product-market fit, and go-to-market strategy**

EXPERIENCE

Software Developer

September 2025 – Present

Hoagie.io

Princeton, NJ

- Develop and maintain Hoagie Mail, a campus-wide email distribution platform serving **1000+ students** and delivering **thousands of emails weekly**, across a **Go** backend, **React/TypeScript** frontend, and **MongoDB** database.
- Identified and resolved production issues, improving platform reliability for a high-traffic student platform.

Website & Software Developer

September 2025 – Present

Tiger Magazine

Princeton, NJ

- Designed and implemented a survey-driven matching system using similarity scoring and optimization to generate one-to-one pairings between participants.
- Maintain and manage tigermag.com using WordPress, including design, formatting, and AdSense.

Middle School Summer Computer Science Teacher

July 2022 – August 2023

Beechwood School

Menlo Park, CA

- Taught middle school students the fundamentals of **Java**, **HTML**, and **CSS** through hands-on website projects.
- Fostered a supportive classroom environment while managing 13 students and engaging with faculty and parents.

PROJECTS

Fynd | *Founding Software Engineer, SwiftUI, Supabase, Stripe Connect* | Download | Website February 2026 – Present

- Led development and launch of a full-stack iOS marketplace on the **App Store**, acquiring **163 users** and facilitating **30+ bookings** for local service creators.
- Developed a real-time platform using **Swift/SwiftUI** and **Supabase (Auth, Realtime, Storage, Edge Functions)**, enabling discovery via **social feed + map**, in-app messaging, and push notifications.
- Engineered end-to-end payments with **Stripe Connect**, including **Apple Pay**, tipping, and promotional features.

Daru Social Platform | *TypeScript, React (Vite), Node.js/Express, Firebase, AWS*

Video Demonstration

- Built a full-stack social app for creating “time capsules,” with posting, global feed, search, and profile features, and developed a responsive **React + TypeScript** frontend with guarded routes, and app-wide state management.
- Integrated **Firebase** Auth (email/Google), Firestore, and Storage; added email flows with rate limiting and a **Node.js/Express** backend exposing REST endpoints, utilities, and media migration tooling.

Discord Offer Up Webscraper | *C#, SQLite, SQL, Playwright, .NET, Discord.NET*

GitHub Repository

- Deployed a Discord bot using **C# and .NET** to track OfferUp prices and calculate deals across 13+ servers, running 24/7 on a **Raspberry Pi**, with scheduled scans, price trend tracking, and seamless integration via **Discord.NET**.
- Developed a **Playwright-based web scraper** to extract 6,000+ listings, apply **IQR-based filtering** for outlier detection, and compute market statistics, storing results in a normalized **SQLite database**.

3D TicTacToe AI with Minimax Algorithm | *Java, Algorithm Design*

GitHub Repository

- Developed a 3D command-line TicTacToe AI using recursive game tree search with modular state management, powered by **Minimax, alpha-beta pruning, and heuristic evaluation**.
- Competed against peers' Java-based AI bots, achieving a 95% win rate and placing first in a class tournament.

TECHNICAL SKILLS

Technical: Java, Python, C, C#, SQL, JavaScript, SwiftUI, Assembly

Technologies: React, Node.js, Supabase, Firebase, Playwright, Stripe, Git, Linux, Go, MATLAB, Microsoft Excel

Languages: Spanish, English

Interests: Weight Lifting, Mariachi Singing, Golden State Warriors, Mahjong, Billiards, DJing