

Charlie Sabino

973-727-3305 | sabinoc@uchicago.edu | linkedin.com/in/charlie-sabino | github.com/charliesabino

EDUCATION

The University of Chicago

BA in Computer Science and BA in Economics w/ Specialization in Data Science

Chicago, IL

Expected June 2025

- GPA: 3.90/4.0 | Dean's List (Top 20% of GPAs school-wide)
- Relevant Coursework: Machine Learning (Grad), Multivariable Calculus, Introduction to Computer Science, Optimization, Economic Analysis
- Activities: Varsity Wrestling, hack@uchicago

Mountain Lakes High School

High School Diploma

Mountain Lakes, NJ

Sep. 2017 – June 2021

- GPA: 4.6/4.0 (weighted/unweighted) | SAT: 1570
- Activities: DECA President, Varsity Wrestling Team Captain

EXPERIENCE

FoodFight

Sep. 2022 – Present

Chicago, IL

Software Development Intern

- Developed web, desktop, and mobile applications using Flutter for a startup focused on the peer-to-peer sports gaming and food order marketplace, attaining finalist status at TechStars accelerator
- Integrated data from external sports data API using TypeScript, facilitating 500+ customer transactions
- Rebuilt restaurant-facing web app using NextJS and improved page load speed by 212%

JUMP Investors

June 2022 – Sep. 2022

Los Angeles, CA

Venture Capital Intern

- Developed machine learning model to quantify company potential using Crunchbase and LinkedIn data, assisting in the management of current and future investments in early-stage technology companies
- Programmed web scraper in Python for portfolio company which saved 131,343 work hours and outperformed employees' manual data collection accuracy by 40%
- Revised web-based portfolio company's technology stack, reducing page load speed by 76% and improving total clicks by 123%
- Mentored in daily hour-long sessions by Randall Kaplan, co-founder of former S&P 500 listed company Akami Technologies, on leadership, entrepreneurship, and venture capital

PROJECTS

DoDates | *TypeScript, Node.js, NextJS, React, tRPC, Prisma, SQL, Stripe, Vercel*

June 2022 – Present

- Developed a full-stack web application allowing users to hold themselves accountable with self-imposed deadlines and financial penalties upon failure to satisfy them
- Stored user data in MySQL database hosted on PlanetScale with horizontal sharding improving API response time by 273% and allowing infinite connections
- Collected customer payment details and billed them asynchronously using setup and payment intent Stripe APIs
- Deployed application to Vercel and employed Serverless Functions resulting in 79% decrease in API response times
- Statically generated pages at build time using NextJS resulting in 813% increase in page load speed
- Implemented SMTP server for magic links and Google OAuth for passwordless user authentication
- Established end-to-end typesafe internal APIs and effortless global state management using tRPC and Prisma

Algorithmic Trading Model | *Python, scikit-learn, pandas, NumPy, Matplotlib, seaborn*

May 2022

- Trained multiple linear regression, ridge regression, and lasso regression machine learning models on 200+ financial indicators from 4000+ companies' 10-K filings over five years
- Preprocessed data using one hot encoding and robust scaling improving model accuracy by 27%
- Visualized data using third party libraries to ensure data cleanliness, avoiding issues such as colinearity

SKILLS AND INTERESTS

Programming Languages: TypeScript, Node.js, Python, Dart, SQL, L^AT_EX, HTML, CSS

Frameworks and Libraries: React, NextJS, Prisma, tRPC, Tailwind, pandas, NumPy, Matplotlib, scikit-learn, Flutter

Tools and Software: Git, Github, Linux, Vim, Vercel, Google Cloud Platform

Interests: Fitness, Nutrition, Coffee, Reading (Brandon Sanderson), Podcasts (Lex Fridman, Huberman Lab)