

Justin Bruinsma

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TARGET

Aspiring Backend Engineer with strong Python skills and experience in leading coding camps, focusing on Python and JavaScript projects. Familiar with version control and project planning, aiming to leverage technical skills and educational background in a Software Engineering Internship within the FinTech sector. Open to relocation to contribute effectively to backend development teams.

EDUCATION

New York Institute of Technology (NYIT)

B.S., Computer Science

2024 - 2028

Manhattan, New York

- **GPA:** 3.86
- **Achievements:** Fall 2025 Dean's List (3.64), Spring 2025 President's List (4.0)
- **Coursework:** Data Structures, Calculus I, Design & Analysis of Algorithms, Database Management, Digital Logic Design

TECHNICAL SKILLS

- **Languages:** Python, Java, JavaScript, MySQL
- **Frameworks/Libraries:** FastAPI, Flask, Vue.js, Pinia
- **Tools:** Git, GitHub, JetBrains IDEs (PyCharm, WebStorm)
- **Concepts:** Data Structures & Algorithms, REST APIs, WebSockets
- **Spoken:** Spanish (fluent)

PROJECTS

Sharpen - Trading Simulator | github.com/Jbruinsma/Sharpen

Jul 2025 - Aug 2025

- Built a pluggable strategy engine (e.g., SMA crossover) with configurable risk inputs (R:R, filters) using CSV-based futures data (NQ/ES/YM).
- Exposed REST endpoints to run backtests with metrics (win rate, profit factor, max drawdown); Vue UI to visualize equity curves.
- Modularized results and configuration for future database persistence and batch experiment runs.

Chatter - Real-Time Messaging | github.com/Jbruinsma/Chatter

Aug 2025 - Aug 2025

- Implemented group chat + profiles over WebSockets with a lightweight AVL-tree data store for $O(\log n)$ inserts/lookups.
- Designed chat/user/membership modeling and a migration path to a relational database after database coursework.
- Added basic moderation/permissions patterns and presence indicators.

Unchained - Personal Music Platform | github.com/Jbruinsma/Unchained

Jun 2025 - Jul 2025

- Shipped authenticated MP3 uploads, playlist CRUD, and in-browser playback (play/pause/skip/shuffle).
- Added public/private sharing controls; separated file storage and metadata via clean API endpoints.

JavaSortAnimations — Algorithm Visualizer

- Visualized core sorting algorithms and reinforced complexity understanding via a small correctness test harness.

TradeSync (Archived v1)

- TradeSync (Archived v1) — Master—child trade copier (Python, Flask) with basic risk limits and minimal UI.

TradeSync v2 rewrite

2025

- TradeSync v2 rewrite (FastAPI + Vue) with robust idempotency, richer risk controls, and a live monitoring dashboard.

EXPERIENCE

Code Ninjas

May 2025 - Aug 2025

Camp Counselor (Intern)

St. Augustine, FL

- Led 2-3 camps per week with 10–16 students per camp, guiding hands-on projects in Python and JavaScript, which enhanced students' coding skills and understanding of basic game development
- Coached students in debugging and logic building fundamentals using Python and JavaScript, leading to increased problem-solving skills and confidence in coding
- Streamlined daily checklists and milestone planning to improve project completion and classroom flow.

LEADERSHIP & AWARDS

NYIT Student Government

Sep 2025 - Present

Senator, Model UN