YURI BYCHKOV

New York, NY • (917) 940-9464 • yuribychkov15@gmail.com • www.linkedin.com/in/yuri-bychkov/ • GitHub

EDUCATION

BOSTON UNIVERSITY   Boston, MA
Bachelor of Arts in Computer Science   Graduated: May 2025
Relevant Coursework: Introduction to Python, Introduction to Data Structures in Java, Introduction to Analysis of Algorithms, Algorithm Time Complexity, Intro to Databases, Software Engineering, Introduction to Artificial Intelligence, Full-Stack Application

RELEVANT EXPERIENCE

FRISSON   New York, NY
Front-End Developer   Jan 2025 - Present
- Building the official site for a small creative studio founded by a graphic designer, music producer, and visual artist, aimed at showcasing their multidisciplinary work and attracting new clients in the art and media space.
- Designed and developed the front end using **React** and **Vite**, with a focus on pixel-perfect UI, responsive layout, and optimized rendering across devices.
- Implemented **GSAP** animations (scroll-triggered fades, parallax transitions, and interactive hover states) to enhance visual storytelling
- Worked closely with the team to bring their brand vision to life, translating mood boards and rough design ideas into a fully functional, aesthetic site.

SHERLOCK AI   New York, NY
Full-Stack Engineer   Jan 2024 - October 2024
- Built and refined front-end features for the Daily Trade Picks and News pages using **React, Chakra UI**, and **Recoil**, aligning components with Adobe XD designs and improving user engagement through dynamic layout and hover interactions.
- Automated daily newsletter delivery using the **MailerLite API** and **Google Cloud Scheduler (Pub/Sub)**, deploying **Python** scripts to generate and trigger HTML campaigns, boosting retention by over **35%**.
- Enhanced UI/UX across the platform by standardizing spacing, tooltips, button states, hover behavior, and scroll logic; removed redundant features and improved formatting for financial data.
- Developed backend error handling and API integration logic for event and trade data services, ensuring accurate real-time content and system reliability across the dashboard.

PROJECTS

SparkBytes! | GitHub
Utilized React and Firebase for a BU service
- Developed a full-stack web application alongside **3** others using **React, TypeScript**, **Vite**, and **Agile** methodology, enabling Boston University students to discover and attend free food events hosted by campus organizations.
- Integrated **Firebase Firestore** for real-time event data management and **Firebase Authentication** for secure Google SSO, enhancing user experience and security.
- Implemented interactive maps with **Mapbox API** to display event locations and calculate user travel times, improving event accessibility and planning.
- Designed responsive and intuitive user interfaces with **Ant Design**, ensuring simple and clear user interaction across various devices.

Vapor | GitHub
Utilized Django Framework for a Game Review App
- Allows users to browse, review, and rate games. It supports user authentication, enabling personalized profiles and game collections. Users can filter games by genre, developer, or platform and add them to their collections.
- It uses **Django's** class-based views to handle CRUD operations for managing games, reviews, and collections. Adheres to an MVC architecture.
- Users can log in, view their profiles, and manage their game collections. The application emphasizes user engagement through personalized content and dynamic interactions.

Music Trends Analysis | GitHub
Utilized Python to Analyze Music Trends
- Scraped and processed **300,000+** Billboard Hot **100** entries and Spotify audio features using Python, Scrapy, and Spotify Web API to create a multi-decade music dataset.
- Engineered an automated data pipeline with Makefile and pandas, reducing preprocessing time by **80%** across data collection, cleaning, and enrichment phases.
- Visualized evolving music trends using Seaborn and Matplotlib, identifying key genre shifts and feature correlations across **20+** years of chart data.

CORE COMPETENCIES

Programming: Python, Java, JavaScript, TypeScript, C
Web: React.js, Node.js, Express, HTML, CSS, Firebase, Django, Flask
Databases: MySQL, MongoDB, PostgreSQL, Firebase, Supabase
Tools: Git, Docker, Postman
Practices: Agile, CI/CD, TDD