

HARRIS BUBALO

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GitHub: HarrisonBubbles ◊ **Website:** bubalo.dev

EDUCATION

Northeastern University, Boston MA

September 2020 – May 2024

Khoury College of Computer Sciences

Bachelor of Science in Computer Science and Mathematics

May 2024

Honors: Dean's List **GPA:** 3.97/4.0

Relevant Coursework:

Fundamentals of Software Engineering | Artificial Intelligence | Algorithms & Data | Object-Oriented Design | Computer Systems | Database Design | Discrete Structures | Theory of Computation | Probability and Statistics | Linear Algebra

TECHNICAL SKILLS

Languages: Python | JavaScript/TypeScript | Ruby | Java | C/C++ | SQL | Elixir | Dart

Software: Git | React | AWS | Docker/Kubernetes | Google Cloud Platform | Rails | Flutter | Firebase | Datadog

EXPERIENCE

Alignable | Boston, MA

May 2023 – December 2023

Software Engineer Co-op, Data and Infrastructure

- Directed software engineering efforts for the site-wide "Local Business Person of the Year" contest within a tiger team, ensuring reliable interactions for over 300k users
- Spearheaded the migration from the legacy Ruby admin interface to React, utilizing Elasticsearch and new Elixir endpoints to halve data query times
- Designed and engineered a GitHub Actions flow which integrates with Slack to notify code authors of test failures, expediting issue resolution

Oasis | Northeastern University, Boston, MA

January 2023 – December 2023

Program Mentor

- Guided students through team software projects as part of the Oasis project acceleration club at Northeastern
- Led presentations about Typescript, React, database design, and other app development fundamentals

Wayfair | Boston, MA

July 2022 – December 2022

Software Engineer Co-op, Machine Learning Platforms

- Introduced new API endpoints to extend functionality of feature store platform, improving self-serviceability and reducing number of subsequent support tickets
- Led end-to-end implementation efforts for improved feature validation using Airflow, mitigating effects of data drift in response to a large-scale data migration
- Published feature serving client to an internal Python package, further standardizing ML development at Wayfair

MIT Beaver Works | Cambridge, MA

July 2019

Program Alum

- Engaged in machine learning lectures given by Lincoln Lab researchers, particularly in context of medicine
- Utilized Python, pandas, and Scikit-learn to predict an NFL player's likelihood of developing CTE
- Presented findings at poster session at end of program, attended by hundreds of students and family members

PROJECTS

TikTok-inspired Music Discovery App

December 2022 – March 2023

- Mobile app that leverages bite-sized format of TikTok to offer users an efficient way to discover music
- Developed with Flutter and Firebase for a cohesive and scalable development experience

Oasis Distortion

September – December 2021

- Created a robust VST3 distortion plugin using C++ and the JUCE framework, as part of the Oasis project acceleration club at Northeastern University
- Presented stable release to Oasis members through a demonstration of its music-making capabilities

A Comparative Study of Boston's Approach to COVID-19

March – April 2021

- Processed COVID-19 and census data from various U.S. cities using Python and pandas library
- Discussed how pandemic exacerbated pre-existing problems in each city, as part of final presentation for the INSH 2102 course at Northeastern University

INTERESTS

Playing guitar, Reading philosophy, Attending local concerts, Music production, Fighting video games

References available upon request