Jeffrey Blake

EXPERIENCE

Jellyfish — *Contract Technical Writer*

October 2025 - PRESENT   Boston, MA (Remote)

- Designed and developed an interactive setup guide for a new Jellyfish product using HTML and JavaScript, driving user adoption and engagement.
- Created content filtering solutions using Python and JavaScript to align the Zendesk help center instance with new Jellyfish product types
- Automated manual tagging in Zendesk by interfacing with its API using Python, streamlining the transition to managing multiple Jellyfish product types.
- Implemented Amplitude's SDK into production, allowing for the monitoring of user analytics throughout the app

Freelance — *Tutor*

September 2024 - June 2025   Scituate, MA

- Developed customized learning materials and study strategies tailored to individual student needs, resulting in measurable improvement in course performance
- Delivered 1:1 instruction in advanced subjects, including Precalculus, AP Chemistry, and AP US History, adapting teaching methods to accommodate different learning styles

Middlebury College — *Teaching Assistant, Data Structures*

September 2022 - May 2023, September 2023 - December 2023   Middlebury, VT

- Strengthened student understanding of data structures by leading three weekly help sessions, walking students through and breaking down Java coding problems

Witness to Mass Incarceration — *App Development Intern*

May 2023 - September 2023   New York, NY (Remote)

- Worked on the development of a mobile port of the MAP Project, which seeks to map a database of businesses owned by formerly incarcerated people (FIP)
- Processed data collected by WMI using Swift, worked with the Google Maps API to visualize businesses based on longitude and latitude

EDUCATION

Middlebury College, Middlebury, VT — *B.A. Computer Science, Music*

September 2020 - May 2024   GPA: 3.94/4.0 (Summa Cum Laude)

Relevant Coursework: Software Development, Algorithms and Complexity, Data Structures, Parallel Computing, Machine Learning, Math Foundations of Computing, Computer Architecture, Theory of Computation, Compiler Design, Generative Art

PROJECTS

Plugin Development in JUCE

- Developed a low-latency use time plugin for Ableton using the JUCE framework and C++
- Developed a "compound" delay VST3, creating feedback loops of different effects (e.g., bitcrush and low-pass EQ) using delay

Climate Data Visualization

- Used a Python backend to process data from over 70,000 of NOAA's weather stations and a React/Next.js frontend to visualize the data
- Displayed maps of various indicators of climate change, including snowfall, precipitation

CONTACT

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SKILLS

- Java
- JavaScript
- React
- Next.js
- Node.js
- Python
- Pandas
- Git and GitHub
- C++
- Swift
- JUCE
- Linux
- Problem Solving
- Troubleshooting
- Revising
- Debugging
- Office Suite
- Communication