Dylan Black

Boston, MA | (908) 300-2592 | dylan.black2021@gmail.com

EDUCATION

Northeastern University, Boston, MA.   Graduation Expected 2025
BS in History and Economics, Minors in Computer Science and Computational Social Science
Relevant Courses: Discrete Structures, Fundamentals of Computer Science 1 and 2,
Principles of Information Science, Object Oriented Design, Historical Research and Writing, Probability and Statistics
Extracurriculars: Northeastern Historical Association, Northeastern Historical Review: Associate Editor, Hillel, QuizBowl, Economics Club, Film Club

PROFESSIONAL EXPERIENCE

Overnight Instructor – *iD Tech Camps at University of Maryland*   June 2022 – Aug 2022
- Responsible for teaching between 8 and 10 students each week
- Taught topics such as Minecraft Modding with Java, Artificial Intelligence and Machine Learning, Cryptocurrency and Blockchains, Java Programming, and JavaScript Programming
- Oversaw final projects such as potion effect armor in Minecraft, using a convolutional neural network to upscale images, and building a simulated blockchain with SHA-256 encryption.
- Contributed to the iD Tech public example repository for Intro to Java Coding with Minecraft.

Experience Data Analyst – *Fiveable Inc.*   Dec 2021 – June 2022
- Analyzed experience data using Amplitude and Google Analytics for over 20,000 users to drive product-focused decisions
- Implemented Amplitude in the Fiveable codebase for tracking user interaction and log in statistics
- Presented findings to company leadership to impact company

Learning Project Coordinator – *Fiveable Inc.*   June 2021 – Dec 2021
- Led research on CMS platforms for a company-wide content migration, collaborating directly with executive leadership and content teams
- Oversaw the organization and design of over 1000 new content pieces and content structures for 8 new subjects
- Performed SEO keyword research and organized processes for the eventual creation of over 1000 pieces of new content

Web Development Intern – *Fiveable Inc.*   June 2020 – Sept 2020
- Built reusable front-end React components such as tab menus and upcoming event cards for a Fiveable redesign. Built the Fiveable search results page, slides page, content pages, and others for both desktop and mobile
- Assisted in site-wide migration to Next.js and took part in company wide and team wide meetings to build Fiveable features
- Worked in an agile environment with daily standups and weekly sprint planning

PROJECTS

Personal Website (dylanblack.info)   Nov 2020 – Dec 2020
- Personal website and portfolio built using HTML, CSS, JavaScript, and hosted on GitHub pages
- Features web development projects

Image Processor   June 2022
- Final project for Object-Oriented Design (CS 3500) at Northeastern University
- A GUI based image processor built in Java that can apply various operations to an image and load/save with multiple file formats

SKILLS

Collaboration Software: Slack, Microsoft Teams, Git and GitHub, Trello, Asana, Notion
Programming Languages / Tools: HTML, CSS + Sass, JavaScript, React, Redux, React-Spring, Node.js, npm, Storybook.js, Firebase / Firestore, Next.js, Material-UI, MongoDB, Express, Racket, R, Python, Java, SQL, SQLite, JUnit, XML, XPath, XSL, LucidCharts (UML)