

Elijah Olson

(217) 416 -7668 | eolson1799@gmail.com
228 New York Ave 1B, Brooklyn, NY 11216 | **GitHub:** www.github.com/EliOlson

Work Experience

Software Engineer II, CodaMetrix, Boston, MA

February 2021 - Present

Full Stack Application Development

- Design, implement, unit test, and deploy code with an Agile approach to both internal and client-facing environments as part of UX/Application and Platform teams
- Develop complete endpoint interactions, combining a backend of Java Spring Boot and Maven with a React/Node frontend

Adapt to Client Requests

- Create and present fully-tailored products to each new client looking to integrate their workflow with our application, remaining flexible to react to rapidly-changing requirements
- Optimize requests to accommodate for massive amounts of data from high-profile health systems

Project Software Test Engineer Co-op, ERT, Boston, MA

January - June 2019

- Collaborated with the Quality Engineering team to create and perform validation tests for software used in the design of eClinical pharmaceutical studies in two-week turnaround cycles for each client's request
- Validated critical software used in live drug studies throughout the world

Chief Executive Officer, Aedifex 3D, Elkhart, IL

March 2017 - April 2018

- Founded 3D-print and product sales company during junior year of high school
 - Won the Crowd Choice Award at opening trade show
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Education

Northeastern University, Boston, MA

BS in Computer Science with concentration in Artificial Intelligence

Minor in Music Recording

GPA and Honors: **3.63/4.00**, Dean's List (Fall 2017, Fall 2019, Spring-Fall 2020, Spring-Fall 2021, Spring 2022)

Relevant Classes: Software Development, Object Oriented Design, Algorithms and Data, Theory of Computation, Logic and Computation, Machine Learning and Data Mining 1 & 2

Languages and Frameworks

TypeScript (Redux/React, Jest), Python (Flask), Java (Spring Boot, Maven), SQL, JavaScript, GraphQL, HTML, CSS

Projects

- [Personal Daily Playlist](#) (v1: *HTML, CSS, Python & Flask*, v2: *React*): Creates a Spotify playlist based on a user's current weather conditions, consisting of their saved songs (WIP)
 - **Trains Game** (*Python*): Recreation of the board game "Ticket to Ride" as a web-based tournament platform, accessible via TCP connection
 - **Image Shrinker** (*Java*): Strategically removes pixels from a photo to resize with minimal warping
 - [Bitcoin Prediction Algorithm](#) (*Python*): Regression model that predicts Bitcoin price one day in advance
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Interests and Fun Facts

I was president of my school's songwriting club, love baseball, and I was nominated for a Boston Music Award.