BRETT SZLACHCIUK

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EDUCATION

Northeastern University, Boston, MA   *May 2023*
Khoury College of Computer Sciences, 2023
Bachelor of Science in Computer Science and Philosophy
Relevant Courses: Fundamentals of Software Engineering | Object Oriented Design | Database Design
Algorithms and Data | Artificial Intelligence | Theory of Computation | Technology and Human Values

TECHNICAL KNOWLEDGE

Languages: Proficient in Java, TypeScript, Python, SQL; Familiar with C++
Frameworks: React, Selenium, Maven, Express, NodeJS, REST
Systems: Windows, Mac OSX
Applications: IntelliJ, Visual Studio Code, Git, Jenkins, Datadog, Postman, ServiceNow, Active Directory

EXPERIENCE

Coding Instructor, CodaKid   *May 2021 – Present*
Scottsdale, AZ

- Tutored students around the world in Java through Minecraft, Lua through Roblox, Python, and Scratch
- Trained my ability to communicate complex ideas simply by remotely tutoring up to 14 students per week

SDET Intern, Applause   *July 2021 – Dec 2022*
Framingham, MA

- Led a team of interns in creating a Java test automation suite for one of the company's most used products
- Tested automation tickets by running Maven commands against client-side and server-side configurations
- Worked with developers to fix SDK bugs found in Jenkins regression tests and contribute to build releases

Employee Tech Co-op, Wayfair   *Jan 2020 – June 2020*
Boston, MA

- Fulfilled hundreds of ServiceNow tickets for software deployments using Active Directory and for laptop repairs
- Wrote SQL queries to analyze internal data and audit software licenses in a database with millions of entries

PROJECTS

Stock Performance Prediction using Sentiment Analysis

- Compared the results of two NLP models, NLTK and distilBERT, trained on financial articles, in Python
- Utilized an API to allow the user to use our model to predict the price movement of a stock they choose

Strava Extension

- Designed a React web app where users can view insights into their training posted on Strava on a user page
- Implemented secure sign in using OAuth, API requests to the Strava API using Axios, and routing using Express

Java Image Processor

- Designed a program capable of reading image files, applying filters through a GUI interface, and saving images
- Utilized the MVC design pattern focusing on the SOLID principles, code readability, and thorough unit testing