Max Shushkovsky

maxshushkovsky@gmail.com ● (732) 853 6686 ● Morganville, NJ

EDUCATION

Carnegie Mellon University School of Computer Science   May 2024
BS in Computational Biology 3.45/4.00 GPA   Pittsburgh, PA
- Relevant Coursework: Machine Learning with Large Datasets; Computational Genomics; Principles of Software Construction; Algorithms and Advanced Data Structures; Computational Medicine

WORK EXPERIENCE

PostEra   **Boston, MA**
Software Engineering Intern   June 2023 – Aug 2023
- Implemented **Django** backend and **Typescript** + **React** frontend composable search for boolean filtering of custom data information on sets of molecules, allowing chemists to search through thousands of molecules
- Designed and wrote Django backend code to link source sets of designed molecules and library products along with a React frontend, reducing search space time for over 13 global chemists
- Wrote Django migrations to backfill missing assay, batch, and user data on tens of thousands of molecules

Amazon Web Services   **Seattle, WA**
Software Development Engineering Intern   May 2022 – Aug 2022
- Implemented performance and load testing framework within the Aurora Storage Dataplane group
- Used **Java**, **S3**, **DynamoDB**, and **Git** to design and create a performance framework that interacts with a storage layer, allowing for increased feature confidence and lower stabilization times on the scale of weeks, to be used within Aurora Grover team
- Presented framework to over 60 engineers, managers, and engineering leaders in the AWS Aurora Grover group

Blue Ocean Strategic Partners   **Pittsburgh, PA**
Software Engineering Intern   June 2021 – Aug 2021
- Used **Python**, **Selenium WebDriver**, and **openpyxl** in an agile environment to implement library side automation of financial reports for over 100 unique accounts and 25 entities
- Wrote client side scripts to automate balance sheet reconciliations and used **pandas** to create backup pivot tables of client financial data

LEADERSHIP & EXTRACURRICULAR EXPERIENCES

CMU Men's Varsity Soccer
Midfielder   September 2020—Present
- Player for university's prestigious NCAA DIII men's soccer program
- Member of the Plaidvocates, a student-athlete wellness advocacy program to provide support for other athletes and promote physical and mental health

CMU Undergraduate Computational Biology Society
Board Member   September 2021—Present
- Led on campus recruiting by hosting information sessions for students interested in computational biology

SKILLS & INTERESTS

- **Languages & Tools:** Python, Java, Typescript, Git, R, Pytorch, TensorFlow, Selenium WebDriver
- **Foreign Languages:** English, Russian (limited working proficiency), Spanish (conversational)
- **Interests:** Soccer (Favorite Team—Chelsea), Nutrition, Volleyball