

Max Shushkovsky

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EDUCATION

Carnegie Mellon University School of Computer Science

MS in Computational Biology

Expected May 2025

BS in Computational Biology 3.52/4.00 GPA; University Honors

May 2024

- 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 developed 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 build 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 – May 2024

- 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 – May 2024

- Hosted information sessions for over 100 total students interested in computational biology

SKILLS & INTERESTS

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