

Maggie Rosen

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Laboratory technician and AI enthusiast with hands-on experience in artificial intelligence and machine learning. Completed the UNC AI Bootcamp, where I gained comprehensive knowledge in data analysis, machine learning algorithms, and neural networks. Proficient in various lab techniques and software, with a background in research and data-driven projects.

Technical Skills

Languages: Python, SQL, HTML5

Applications: GitHub, DBeaver

Tools: Excel, Seaborn, Scikit learn, TensorFlow, Keras, Databasing, Pandas, Jupyter Notebook

Projects

AI and Machine Learning Projects | [\[GitHub\]](#)

Worked on real-world projects involving data preprocessing, model building, and deployment during the UNC AI Bootcamp.

Role: Participant

Tools: Python, Pandas, TensorFlow, Keras, scikit-learn

Bee Pathogen Research

Studied bacteriophage interactions with the bee pathogen *Paenibacillus larvae* and successfully integrated a bacteriophage into the uninfected bacterial host.

Role: Research Intern

Tools: Geneious, NCBI BLAST, PCR

Phage Annotation

Annotated newly discovered bacteriophages for the GenBank National Database as part of the SEA-Phages Program.

Role: Lab Assistant

Tools: DNA Master, PECAAN, Phamerator

Work Experience

Undergraduate Lab Research | North Carolina State University

Aug. 2019 - July 2020

- Studied bacteriophage interactions with *Paenibacillus larvae*.
- Utilized programs such as Geneious and NCBI BLAST.
- Performed lab techniques like PCR, Plate streaking, and plaque isolation.

Lab Assistant | Durham Technical Community College

Dec. 2018 - May 2019

- Prepared lab experiments, including making agar plates and operating autoclaves.
- Conducted interesting labs such as establishing a halophile culture and a yeast spectrophotometer lab.

Pastry Chef | Loaf Bakery

Jan. 2015 - May 2019; Feb. 2023 - Feb. 2024

- Introduced various pastries to the bakery.
- Trained fellow pastry chefs in traditional French pastry arts.

Education

Certificate, Artificial Intelligence Bootcamp

UNC Bootcamp

Graduated: 2024

High School Diploma

Riverside High School, Durham, NC

Graduated: 2012