Jennifer Chen

jennifer_a_chen@brown.edu ❖ (973) 967-0190 ❖ NJ & RI ❖ https://www.linkedin.com/in/jenniferachen

EDUCATION

Brown University **September 2021 - May 2025**
Sc.B. Computer Science & M.A. Computer Science Candidate *Providence, RI*

- 3.95/4.0 GPA
- Relevant Coursework: Deep Learning; Deep Learning in Genomics; Organic Chemistry I & II; Biochemistry; Genetics
- Birbs At Brown (Founder, Instagram: @birbsatbrown); The Veritas Forum (President); Brown'sTones Acapella (Treasurer); Residential Assistant; The Brown Daily Herald Illustrator Co-Chief; HopeHealth Hospice Center Volunteer

WORK EXPERIENCE

AstraZeneca **June 2023 - August 2023**
Medicinal Computational Chemistry Oncology Intern *Waltham, MA*

- Performed a structure-based assessment of the druggability of molecular glue binding pockets
- Generated machine learning models for predicting several metabolic endpoints, evaluated prospective performance and made recommendations for global deployment
- Presented summer projects' findings to computational chemistry experts and multi-disciplinary scientists at summer intern oral and poster sessions

Teaching Assistant **September 2022 - Present**
Chemistry, Computer Science *Providence, RI*

- The Digital World (2023); Discrete Structures & Probability (2023, 2024); Equilibrium, Rates, and Structure (2022)

Artsocked Studio **June 2020 – Present**
Founder & Business Owner *Livingston, NJ*

- Managing an online original sticker shop with a Wix website (artsocked.com) and Etsy (artsockedstudio)
- 11k+ items sold with 95%+ reviews being five-star; $2k+ raised in fundraisers; 3.6k followers on Instagram @artsocked

PROJECTS

Graph Attention Network Infers RNA Velocity From scRNA-seq Data **December 2023**

- Developed and deployed a GAT model in PyTorch and DGL based on a previous model, cellDancer, which produced competitive results and visual interpretations for single-cell RNA velocity prediction
- Recorded experiments in a Bioinformatics Journal-format research paper for Deep Learning in Genomics course

RESEARCH

Genomics and Machine Intelligence Lab **September 2022 – Present**
Undergraduate Research Assistant *Providence, RI*

- Develop aesthetic and accessible user interfaces for comparative network biology analysis with a focus on cancer subtypes and protein-protein interaction networks

The Behavior and Mood of Babies, Adolescents, and Mothers Lab **May 2022 – Present**
Brown Undergraduate Teaching & Research Award Recipient & Undergraduate Research Assistant *Providence, RI*

- Research connections between maternal smoking during pregnancy and infant physiological and behavioral responses to stress paradigms; analyze and behaviorally code clinical data

SKILLS

Technical Skills: Java, Python, C, C++, HTML, CSS, Javascript, Typescript, Keras, TensorFlow, scikit-learn, PyTorch, React.js, REST APIs, Github, Linux, VSCode, Google Workspace, Microsoft Office applications, and Wix business