

JENNINGS ZHANG

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EDUCATION

Northeastern University Boston, MA
COMPUTER SCIENCE/BIOLOGY COMBINED MAJOR *2019–Present*

- Khoury College Dean's List, Honors in the Discipline Expected graduation: December 2021

McGill University Montréal, QC
SCHOOL OF CONTINUING STUDIES *Fall 2018*

- Study abroad as a first semester exchange student.

COMPUTATIONAL BIOLOGY

Fetal-Neonatal Neuroimaging Developmental Science Center (Neuroinformatics) Boston, MA
BOSTON CHILDREN'S HOSPITAL *Summer 2019–Present*

- Developed full-stack containerized applications for scientific tooling, MRI processing, and compute platforms.
- Facilitated technical communication between diverse, interdisciplinary research teams.
- Achieved 2 co-authorships published in *Cerebral Cortex*, poster presentation at OHBM 2020.

Brown Lab (Genomics) Boston, MA
DANA FARBER CANCER INSTITUTE + BROAD INSTITUTE *Fall 2020*

- Engaged with the full-range of translational research from benchside basic science to bioinformatics in the cloud.
- Supported various data science efforts including database management and clinical sequencing data analysis.

Advanced Drug Delivery Research Laboratory (Bioengineering) Boston, MA
NORTHEASTERN UNIVERSITY *Spring 2020*

- Award recipient for Northeastern University's PEAK creative research project awards (\$500).
- Analysis and visualization of animal scRNA-seq and bacterial metagenomic data.

McGill Centre for Integrative Neuroscience (Neuroinformatics) Montréal, QC
MONTRÉAL NEUROLOGICAL INSTITUTE *Fall 2018*

- Upgraded an image processing pipeline in Perl for semi-automatic analysis of fetal neuroimaging data.

HOSPITAL EXPERIENCE AND VOLUNTEERING

COVID-19 Response Team Boston, MA
BOSTON MRC, MA RESPONDS *Summer 2020*

- Miscellaneous volunteering at homeless shelters, testing sites, and PPE distribution centers.

McGill University Health Centre Montréal, QC
MONTRÉAL GENERAL HOSPITAL *Fall 2018*

- Hospitality interactions with inpatients and hospital staff while delivering gratuitous coffee.

Johns Hopkins Medical Institute Baltimore, MD
OUTPATIENT CLINIC *Summer 2017, 2018*

- Recorded notes for quantitative dynamometry during neurological examination.

PROJECTS

Neptun/Splash *Fall 2019*

- Piloted two classes teaching high school students about clinical microbiology and computer hacking.
- Collaborated with university faculty to provide hands-on lesson activities involving demonstrations with GFP-transformed bacterial plates and live penetration-testing on real hardware.

Generate *Fall 2019*
BUILD STUDIO ENGINEER

- Worked alongside mechanical and electrical engineers on prototype development for an IOT device using Arduino.

TECHNICAL SKILLS

GNU/Linux Systems administration, Docker containers, dev-ops, Bash, CCNA LAN Networks
Programming Python, JavaScript (Vue, Preact, webpack, Express), Java, SQL