

FLORA CHENG

(512)-677-5532 ◊ florac@andrew.cmu.edu

EDUCATION

Carnegie Mellon University
College of Computer Science

Pittsburg, PA
2022-present

Westwood High School
High School Diploma

Austin, TX
June 2022

COURSES

- Principles of Functional Programming
- Concepts in Artificial Intelligence
- Fundamentals of Programming and Computer Science
- Mathematical Foundations for Computer Science
- Matrices and Linear Transformations

WORK EXPERIENCE

Pairwise Comparative Analysis of Six Haplotype Assembly Algorithms – A User’s Experience and Perspective

Research Project

San Marcos, TX

Summer 2020-present

- Research project at Texas State University under Dr. Sun
- Utilized R and Linux to evaluate and model the performance of HapCUT2, MixSIH, PEATH, WhatsHap, SDhaP, and MAtCHap over two chromosome 10 datasets and two NA12878 sequencing datasets

Mathworks Summer Math Camp

Counselor

San Marcos, TX

Summer 2022

- Coordinated activities for students from middle to high school to develop important skills in math, science, engineering, and many other fields.

MTY Academy

Teacher Assistant, Grader

Austin, TX

2019-2022

- Lead students through math problems and common errors
- Provided feedback on student assignments and reported concepts students struggled with

ACTIVITIES & LEADERSHIP

- Game Creation Society

Member

Pittsburgh, PA

January 2023-present

- Chinese Culture Club

President

Westwood High School

September 2021-May 2022

HONORS/AWARDS

- Fall SCS Deans List 2022
- National Merit Scholarship Program Finalist 2021
- AIME Qualifier 2020, 2021
- Gold Category in President’s Volunteer Service Award 2020

SKILLS

Languages: Java, Python, R Studio, Mathematica

Tools: Linux, Git