ANGELA FAN

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EDUCATION

University of Pennsylvania **January 2021 - Present**

M.S. Computer and Information Technology (MCIT)

Coursework: Introduction to Software Development, Mathematical Foundations of Computer Science, Data Structures, Algorithms

Oregon State University, *Non-Degree Program,* Computer science **June 2020 – Sept 2020**

Coursework: Discrete Structures in Computer Science, Introduction to Computer Science

Wesleyan University **May 2019**

B.A. Molecular Biology/Biochemistry

TECHNICAL SKILLS:

Python, JavaScript, Java, React, jQuery, Node.js, MongoDB, Git, HTML, CSS, Bootstrap, JUnit

SELECTED PROJECTS:

Battleship Game **Github Link**

Technologies: Java, Junit; Project for UPenn CIT591 (Software Development)

A game between user and computer in which the first to sink all the other player's ships wins

Carbon Calculator **Github Link**

Technologies: React, JavaScript, Personal Project

Single page tool for people to see the carbon emissions for a given transportation route

COVID-19 Vaccination Data Analysis

Technologies: Java, Junit; Project in group of 2 for UPenn CIT594

Designed and implemented N-tier architecture to parse and analyze COVID-19 vaccination data

OPEN SOURCE CONTRIBUTIONS

Material-UI Library **Github Link**

- Created option to disable the ripple effect for the checkbox and radio components

PUBLICATIONS

Genomic Analysis of L-Dopa Exposure

Used R and Python to analyze genomic data to gain deeper insights into the genes that are important for host specialization in D. sechellia.

- **Genomics Analysis of L-DOPA exposure in *Drosophila sechellia.*** *G3 Genes, Genomics, Genetics.* October 2019 with co-authors: Lanno S, Lam I, Drum Z, Gregory S, Shimshak S, Becker M, Brew K, Chigweshe L, Collins K, Earley T, Einstein H, Fan A, Coolon J, et al.

EXPERIENCE

East Grandite Inc. **November 2019 – December 2020**

Business Development

Mayor Turner Re-Election Campaign **June 2019 - December 2019**

Field Organizer

Dr. Coolon Laboratory, Wesleyan University **February 2017 - May 2019**

Undergraduate Student Researcher