

Zhihao Chen

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EDUCATION

The University of Texas at Austin, Austin, TX

Expected May 2021

Bachelor of Science in Computational Biology

Certification in Scientific Computation and Data Sciences (18 hours)

Certification in Elements of Computing (18 hours)

Relevant Coursework:

SDS 328M Biostatistics

SDS 348 Computational Biology & Bioinformatics

CS 313E Elements of Software Design

CS 330E Elements of Software Engineering

BIO 325L Lab Experience in Genetics

BIO 321G Principle of Bioinformatic

SKILLS

Technical /Computer Skills: R and Python

- Intermediate level in R
 - Experience in data visualization with ggplot2
 - Experience in data manipulation with dplyr, tidyr, and readr
 - Experience in biological model simulation and sequence analysis
- Intermediate level in Python
 - Basic algorithms, data structure, and complexity analysis
 - Experience in software engineering
 - Understand workflow, version control, and testing
 - Able to use basic shell/ bash techniques

Languages: Chinese

PROJECTS

- Final presentation of Biostatistics course
 - Data Wrangling and Exploratory Analysis
 - Modeling, Interference, Prediction
- Computational Biology Final Project
 - Analyzing RNA-seq expression pattern
- SDS Certificate Research Project
 - Binary Outcome Prediction with Basic Machine Learning

Personal Website

<https://czhihao.netlify.app/>