

EDUCATION

UNIVERSITY OF TEXAS  
AT AUSTIN

Turing Scholars Honors | BS in  
Computer Science,  
Mathematics

GPA: 3.83

Graduation date: May 2025

Organizations: Turing Scholars  
Student Association, UT  
Programming Contest

LINKS

Website  
Google Scholar  
Github  
LinkedIn

SKILLS

Languages: Java, C++, Python

AWARDS

- USA Computing Olympiad  
Platinum
- Codeforces Candidate Master
- AIME score 8
- Facebook Hacker Cup Round 2  
Top 1500
- Google Code Jam Round 2  
Qualifier
- Lockheed Martin Code Quest  
Champion
- CSEDM Data Challenge 5<sup>th</sup>

COURSEWORK

(G = Graduate, H = Honors)  
Topics in NLP<sup>G</sup>, Grounded NLP<sup>G</sup>,  
Reinforcement Learning<sup>G</sup>, Continuous  
Algorithms<sup>G</sup>, Operating Systems<sup>H</sup>,  
Computer Architecture<sup>H</sup>, Data  
Structures<sup>H</sup>, Algorithms &  
Complexity<sup>H</sup>, Natural Language  
Processing, Principles of Machine  
Learning<sup>H</sup>, Autonomous Driving<sup>H</sup>,  
Quantum Information Science<sup>H</sup>

Real Analysis, Algebraic Structures,  
Number Theory, Complex Analysis,  
Mathematical Statistics, Probability,  
Linear Algebra, Discrete Math<sup>H</sup>,  
Numerical Analysis, Stochastic  
Processes, Applied Machine Learning,  
Decision Analytics, Differential  
Equations

INDUSTRY

SCHLUMBERGER | ROBOTICS DEVELOPER

May 2022 – Aug 2022 | Menlo Park, CA

- Created an application to allow a robot to locate a sound source and approach it
- Worked with sensors such as a lidar, microphone array, & event-based camera

HACKERRANK | PROBLEM WRITER

Oct 2020 – Mar 2021 | Remote

- Designed, wrote and tested algorithmic problems for HackerRank coding interviews
- Collaborated with problem reviewers to best assess technical skills of developers

RESEARCH

UT NLP

Jan 2024 – Present | Austin, TX | Advisor: Dr. Eunsol Choi

- Analyzed temporal sensitivity in retrieval for question answering
- Analyzing distributional reward from LLM-as-a-judge

SCHOOL OF INFORMATION

May 2023 – Dec 2023 | Austin, TX | Advisors: Dr. Eunsol Choi, Dr. Min Kyung Lee

- Designed an LLM-based summarization model for case notes used by homeless services

SCHOOL OF BIOMEDICAL INFORMATICS

Apr 2021 - May 2022 | Houston, TX | Advisor: Dr. Degui Zhi

- Developed algorithms in haplotype matching and ancestral recombination graphs for applications in population genomics

UNIVERSITY OF HOUSTON

Jul 2020 - Apr 2021 | Houston, TX | Advisor: Dr. Chandra Mohan

- Researched approaches to single cell clustering

PROJECTS

SYLLABLE-PBWT

Apr 2021 – Jan 2022

- Devised and implemented an algorithm that performs haplotype query search with 100 times less memory usage than previous methods

TOWEL-FOLDING ROBOT

Sep 2017 – Jul 2018

- Built a towel-folding robot with a team of 4 under a mentor
- Used machine vision to find towel corners and send commands to the robot arm

PUBLICATIONS

- Designing LLM-Based Support for Homelessness Caseworkers (AAAI PubLLM, 2024). Whitney Nelson, **Victor Wang**, Eunsol Choi, Min Kyung Lee
- Syllable-PBWT for space-efficient haplotype long-match query (Bioinformatics, 2023). **Victor Wang**, Ardalan Naseri, Shaojie Zhang, Degui Zhi
- P-smoother: efficient PBWT smoothing of large haplotype panels (Bioinformatics Advances, 2022). William Yue, Ardalan Naseri, **Victor Wang**, Pramesh Shakya, Shaojie Zhang, Degui Zhi
- MorphSet: Improving Renal Histopathology Case Assessment Through Learned Prognostic Vectors (MICCAI, 2021). Pietro Antonio Cicalese, Syed Asad Rizvi, **Victor Wang**, Sai Patibandla, Pengyu Yuan, Samira Zare, Katharina Moos, Ibrahim Batal, Marian Clahsen-van Groningen, Candice Roufousse, Jan Becker, Chandra Mohan, Hien Van Nguyen
- Polaratio: A magnitude-contingent monotonic correlation metric and its improvements to scRNA-seq clustering (bioRxiv, 2020). **Victor Wang**, Pietro Antonio Cicalese, Anto Sam Crosslee Louis Sam Titus, Chandra Mohan