Meyer Zinn

Computer Science student interested in distributed systems that solve real-world problems.

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Education

Aug 2020 – May 2024 | **Turing Scholars, University of Texas at Austin**

Honors Computer Science and Mathematics. GPA 3.95 (major 4.0). Courses (italics indicates honors):

- Completed: *data structures*, *discrete math*, *computer architecture*, *vector calculus*, *linear algebra*, graduate programming languages.
- Anticipated by summer 2022: *operating systems*, *algorithms*, concurrency, probability.

Employment

May 2021 - Aug 2021 | **Cloudflare**

Software engineer, Magic Transit

- Redesigned a core product service in **Go** which performs health checks for customer GRE tunnels (**distributed systems**, **networking**).
- Reduced Magic Transit control-plane memory usage by 85% (15 terabytes) and CPU time by over 70% (30 CPU-minutes per minute).

May 2020 - Feb 2021 | **University of Texas Southwestern Medical Center**

Research intern, Department of Bioinformatics

- Used **Python** with **data science** tools (Pandas, TensorFlow) to develop targeted cancer drug repurposing methods through integration of multimodal biomedical datasets.
- Designed and executed large-scale **parallel, distributed computing pipelines**.

June 2019 - Aug 2019 | *Research intern, Department of Bioinformatics*

- Created data processing pipelines in **Python** to support a clinical trial.

July 2018 - Aug 2018 | *Research intern, Department of Radiation Oncology*

- Developed software in **Go** to perform real-time location tracking of Bluetooth beacons.

Publications

2021 | 1. Murali, V. S. *et al.* Cancer drug discovery as a low rank tensor completion problem. *Preprint; Submitted to Nature Biotechnology* (2021).

2020 | 2. Tang, G. *et al.* Development of a real-time indoor location system using bluetooth low energy technology and deep learning to facilitate clinical applications. *Medical Physics* (2020).

Leadership and Teaching Experience

May 2021 - Jul 2021 | CS 303E Elements of Computers and Programming, teaching assistant

Aug 2020 - Present | Turing Scholars Student Association, board member

Honors

2020 | Wang and Owens Family Scholarship – $2,000 award
National Merit Scholar and National AP Scholar

2018 | Eagle scout, Order of the Arrow (Scouting's national honor society)