

Matt Franchi

Curriculum Vitae

Cornell Tech
Cornell University
1 E Loop Rd
New York, NY 10044

mwf62@cornell.edu
<http://mattfranchi.com>

Research

computational social science, inequity, urban sensing, computer vision

Professional experience

Novaverse (stealth startup), New York, NY
Chief Engineer (Generative AI & Fashion), Jan-May 2023

HOMME Management, New York, NY
Fashion Model, Mar 2023-

Cornell Tech, New York, NY
Summer Researcher with Wendy Ju and Emma Pierson, May-Aug 2022

BMW IT Research Center & Clemson University, Clemson, SC
Undergraduate Researcher (REU Funded by BMW) with Amy Apon, 2020-2021

Department of Electrical and Computer Engineering, Clemson University
Creative Inquiry Lab Member, Future Computing Technologies Lab with Melissa C. Smith and Ben Shealy, 2020

Department of Biosystems Engineering, Clemson University
Accelerate Program Capstone Research Project with Caye Drapcho

High Side Technology, Charleston, SC
Software Engineer, 2021-2022
Computer Scientist Intern, 2020-2021

Education

Cornell University, Cornell Tech campus
PhD Student, Computer Science, 2022-
Advised by Wendy Ju
Committee: Wendy Ju, Emma Pierson, Ian Lundberg (formation in progress)

Clemson University Honors College
B.S., Computer Science with General and Departmental Honors, 2019-2021.
Research Advisor: Amy Apon
Thesis: Webots.HPC A Parallel Robotics Simulation Pipeline for Autonomous Vehicles

Publications

Articles in peer-reviewed conference proceedings

- [2] Detecting disparities in police deployments using dashcam data
Matt Franchi, J.D. Zamfirescu-Pereira, Wendy Ju, Emma Pierson
ACM FAccT - Jun 2023, <https://doi.org/10.1145/3593013.3594020>
- [1] Webots.HPC: A Parallel Simulation Pipeline for Autonomous Vehicles
Matt Franchi, Rebecca Kahn, Mashrur Chowdhury, Sakib Khan,
Ken Kennedy, Amy Apon
ACM PEARC - 2022

Teaching

Lumiere Education

Research Mentor, Computer Science / Data Science, May 2023-

Cornell University, Cornell Tech

Teaching Assistant, Applied Machine Learning, Fa2023

Teaching Assistant, Building Startup Systems, Sp2023

Capabilities LLC, Charleston, SC

Computer Science, Math, Physics Tutor, 2022

Clemson University, School of Computing

Teaching Assistant, Computer Science II, Fa2020

Clemson University, Academic Success Center

Computer Science Tutor, 2019-2020

Awards and recognition

Cornell University

Mary E. and Anna K. Cunningham Fellowship, 2022-2023

Dean's Excellence Fellow, 2022-

Clemson University

DuPont Best Undergraduate Project Award, 2021

CECAS Summer Research Opportunity Grant, 2021

Tutor of the Month (Academic Success Center), 2020

President's List (all 4 Semesters), 2019-2021

Press

"The NYPD doesn't report where it deploys police. So scientists used AI, dashcams to find out.", The Gothamist, 2023.

"Dashcam images reveal where police are deployed", The Cornell Chronicle, 2023.

"To Gen Zers Working From Home...", The Wall Street Journal, 2021.

Other

Piano composition 'Luna' featured by Double J Music on *Songs for Studying - Classical Focus* playlist, 2020

National Finalist - Paradigm Design Challenge, 2019

Accelerate Engineering Program, South Carolina Governor's School of Math and Sciences, 2016-2019

**Leadership
and service**

Cornell University

Computer Science Graduate Organization, Vice President, 2023-
Graduate Student Assembly (GPSA), CS Representative, 2022-
Write-A-Researcher, Pen-Pal to Rising High School Seniors, 2022-

Program committee member

FACCT - ACM Conference on Fairness, Accountability, and Transparency, 2023

Clemson University

Clemson University Student Government, Board Representative, Information
Technology Student Advisory Board, 2020-2021
College of Engineering, School of Computing Representative, CECAS Student
Advisory Board, 2020-2021
Clemson Piano Club, Secretary, 2019-2021

Membership

Association for Computing Machinery (ACM), 2019-
Institute for Electric and Electronics Engineers (IEEE), 2020-
Omicron Delta Kappa, 2020-
Upsilon Pi Epsilon Computing Honors Society, 2021-
Queer in AI, 2021-
Broadcasting Music, Inc., 2021-

**Languages
and skills**

English (native), Italian (intermediate), Spanish (basic)
Python, PyTorch, cluster computing, data scraping & annotation, applied com-
puter vision, music composition, piano, bouldering, blogging, L^AT_EX