

MARCO VIERO, PH.D.

Data Scientist and Engineer

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EXPERIENCE

R&D Data Scientist

Wahoo Fitness

04/2018 - Ongoing Atlanta, GA

- Leveraged existing sensor data to replace hardware, saving ~5k/day.
- Implemented FIR, IIR, and Kalman filters to improve ride position data.

Kavli Fellow in Astrophysics

Stanford University

08/2014 - 04/2018 Palo Alto, CA

- Recognized leader in the nascent field of Line-Intensity Mapping.
- Lead modeling efforts, bridging data and theory, for multiple groups.

Postdoctoral Scholar

California Institute of Technology

07/2010 - 08/2014 Pasadena, CA

- Pioneered multi-disciplinary approach bridging scientific fields through use of statistical techniques on noisy data.
- Released code that is now the standard software for work in the field.

Head Engineer

Parlee Cycles

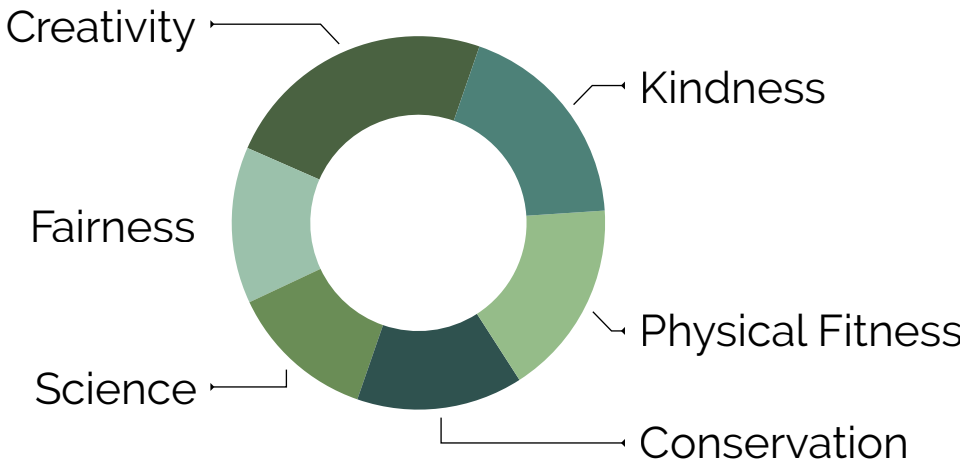
2003 - 2005 Peabody, MA

- Mechanical design of the Z1/2/3 stock carbon fiber racing frame, significantly reducing fabrication costs.
- Responsible for all design decisions, including geometries, layer orientation, molds, and fabrication process.

QUALIFICATIONS

- Extensive Data Science Experience
- Advanced CAD and FEA
- Composites Expert
- Effective Communicator (80+ publications/talks)
- Green Card Holder

CARE DEEPLY ABOUT...



LIFE PHILOSOPHY

A sign that you are living a meaningful life is when weekends come too quickly, rather than not quickly enough

MOST PROUD OF

- Launching an International Workshop Series on Line-Intensity Mapping
- Designing the Parlee Z1/2/3 — a fully carbon fiber road bike frame — from the top-down
- Being Awarded time, along with \$150,000, by NASA to Lead a Space-Telescope Program
- Receiving the Kavli Fellowship at Stanford, which came with full autonomy
- Winning Two World Championships with the Cornell Formula SAE Race Car Team

TECH



EDUCATION

- Ph.D. in Astrophysics
University of Toronto
2005 - 2010 Toronto, ON
- M.S. in Physics
University of Pennsylvania
2001 - 2003 Philadelphia, PA
- B.S. in Mechanical Engineering
Cornell University
1996 - 2000 Ithaca, NY