

LARS HALLSTROM

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OBJECTIVE

I became a professional athlete in March 2021 after graduating from the University of Michigan with my B.S.E in Mechanical Engineering in December 2020. I began studying engineering to improve people's lives and design products that enable others to complete their dreams. As I begin my professional career I am looking to work with companies where I can utilize my engineering background and experience working in the bicycle retail industry to develop, market, and race the best products in the industry.

RACE HIGHLIGHTS

USAC ID: 531279

UCI ID: 10106020879

- 17th Chequamegon - Cable, WI, 2021
- 1st Moran 166 - Moran, MI, 2021
- 10th Ore to Shore - Marquette, MI, 2021
- 44th US MTB Pro National Championship XCO- Winter Park, CO, 2021
- 44th Missoula XCO U.S. Pro Cup - Missoula MT, 2021
- 20th Englewood Open U.S. Pro Cup - Fall River WI, 2021
- 51st OZ Trails U.S. Pro Cup 2 XCO - Fayetteville AR, 2021
- 42nd OZ Trails U.S. Pro Cup 2 STXC - Fayetteville AR, 2021
- 61st OZ Trails U.S. Pro Cup 1 XCO - Fayetteville AR, 2021
- 39th OZ Trails U.S. Pro Cup 1 STXC - Fayetteville AR, 2021
- 18th Cactus Cup Elite Men Open - Scottsdale AZ, 2021
- 4th Fast Fitty Gravel Race - Charlotte MI, 2020
- 2nd The Divide Gravel Race - Manton MI, 2020
- 8th USCSA Nordic Ski National Championship 15k Classic - Lake Placid NY, 2020
- 9th USCSA Nordic Ski National Championship 7.5k Freestyle - Lake Placid NY, 2020
- 7th Peak2Peak Pro/Elite MTB Race - Thompsonville MI, 2019
- 8th Noquemanon Ski Marathon 50k Classic - Marquette MI, 2019

RACE SCHEDULE

- October 15-17, Epic Rides OZ Trails Off-Road - Bentonville, AR
- October 23, US MTB Marathon National Championship - Frederick, MD
- November 12, Iceman - Traverse City, MI
- 2022: Epic Rides, Gravel Races, USAC MTB National Championships, BWR Series, US Pro Cups, Midwest MTB Triple Crown

MEDIA

- Instagram: @lars.str0m, Followers: 671, Average reach: 656
- Moran 166 Race Recap <https://www.moran166.com/blog/2021-moran-166-race-recap>
- Planning video to combine riding with engineering, nutrition, and physiological principles and promote my sponsors.

EDUCATION

University of Michigan, Ann Arbor MI

December 2020

Bachelor of Science in Mechanical Engineering

- Coursework with emphasis on practical design, modeling, real world integration, and hands-on testing.
- Elective coursework focused on human health and fitness, entrepreneurship and environmental business ethics.

Danish Institute for Study Abroad, Copenhagen Denmark

May 2018 - June 2018

Innovation and Entrepreneurship in Europe

- Collaborated in a team to create mock startup company and pitch to venture capitalist investors in Helsinki, Stockholm and Copenhagen.

WORK EXPERIENCE

RESEARCHER | NORWEGIAN SCHOOL OF SPORTS SCIENCES, OSLO NORWAY

May 2019 - March 2021

- Validated new athlete tracking technique by analyzing data collected from World Cup slopestyle events.
- Developed new technique for estimating athlete center of mass position from complete and partial 3D body models.
- Managed remote research position run from Norway and Switzerland.
- Honed communication skills with people from different backgrounds, cultures, and languages.
- Worked with teams to meet tight deadlines while navigating unfamiliar surroundings.

R&D INTERN | CENTRE OF HEATH INNOVATION - HOME OF THE INTERNET OF SPORTS, ÅRE SWEDEN

Sept 2018 - Dec 2018

- Created and applied code to time-synchronize video and wind measurements to a ski and snowboarding slopestyle course tool utilized for world cup events.
- Planned a product based on research for the consumer market with project leads and advisors.

DESIGN INTERN | BLACKBOXEFX, COPENHAGEN, DENMARK

May 2018 – June 2018

- Designed and prototyped an enclosure for electronic music device to launch company Kickstarter campaign.
- Acquired insight pertaining to management of a small company while working in a startup co-working space.

SALESMAN AND ASSISTANT MECHANIC | MOTOR CITY BICYCLE, ANN ARBOR, MI

July 2016 - September 2020

- Consulted with customers while considering budget, future needs, and return on investment.
- Assisted head mechanic in all aspects of bicycle service and building.

SKILLS AND ABILITIES

SOFTWARE

- MATLAB, SOLIDWORKS, 3D printing, FEA, Autodesk Inventor, Autodesk Fusion 360, HTML, Microsoft Office.

DESIGN**Instrumented Spatial Linkage for Biomechanics Analysis**

January 2020 – April 2020

- Developed mechanical device to measure 3D position of shoulder joint to validate algorithm for body-worn inertial sensors.
- Implemented forward kinematic model to calculate overall humerothoracic angle across instrumented 6-bar linkage.

Michigan Neuroprosthetics Design Team

September 2017 – May 2018

- Designed a 3D printable neural-controlled prosthetic with a team for children in need, with specific focus on the phalanges to be used on the prosthetic hand.