

Jack Krebsbach

Data Scientist | Web Developer | Co-Founder

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EXPERIENCE

Startup Founding Partner *REZA INC.*

MAY 2019 – PRESENT

- Founding partner of REZA INC., a light-up footwear brand dedicated to inspiring people to 'Light Your Own Path'
- Completed residency at Techstars Sports Accelerator Powered by Indy (2020)
- Sourced components and completed shoe development in Taiwan (Nov 2020 – Apr 2021)
- Pre-order of 1st edition shoes sold out (Aug 2021)
- Acquired waitlist of 20K+

Undergraduate Researcher *Hope College Mathematics & Geology Department*

MAY 2019 – PRESENT

- Mapped vegetation on coastal sand dunes with drone photography and machine learning
- Conducted field work flying drones and performed big data analysis of imagery using R and Python
- Presented at Joint Math Meetings, Geological Society Association Meeting, and Mathfest (2019, 2020, 2021)

Math Lab Tutor *Hope College Mathematics & Statistics Department*

JAN 2020 – MAY 2020

- Tutored for lower and upper-level math courses
- Provided mathematical guidance to students on an individual and group basis

Computer Science Tutor *Hope College Computer Science Department*

AUG 2019 – DEC 2019

- Tutored for Software Design & Implementation CS course using Java
- Led groups of students in critical thinking problem solving sessions

Youth Ambassador *U.S. Department of State*

JUL 2016 – MAY 2017

- 10-month long student exchange in the Philippines
- Lived with a Filipino host family to learn Filipino culture and Tagalog language
- Scholarship funded by U.S. State Department

ABOUT

I am a junior studying Mathematics at Hope College in Holland, MI. I use data analysis and statistical learning methods to solve problems. I also enjoy building web applications and learning about software development.

SKILLS

Programming Languages

R, Python, MATLAB, JavaScript, Typescript, Java, HTML, CSS, Sass

Technologies & Frameworks

Git, Linux, SQL, QGIS, Node.js, React, Next.js, Vercel, Google Analytics, Shopify, RStudio, Jupyter, Autodesk Inventor, Agisoft Metashape

EDUCATION

Hope College *B.S. Mathematics Computation & Data Enabled*

Aug 2018 – Present

Expected Graduation: May 2023

Cumulative GPA: 3.98

Highlighted Coursework

Numerical Analysis, Databases for Data Science, Software Design & Implementation, Computer-Aided Design, Intro to Mathematical Physics, Physics Lab: Electronics, Biomedical Instrumentation

AWARDS & HONORS

- Michigan Space Grant Consortium Undergraduate Fellowship (2019)
- John H. Kleinheksel Mathematics Award (2019)
- Hope College Presidential Scholarship (2018)
- Pi Mu Epsilon Mathematics Honor Society (2019)
- Kennedy-Lugar Yes Abroad Study Abroad Scholarship (2016)