Jack Krebsbach

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EXPERIENCE

Co-Founder *REZA INC.*

MAY 2019 – PRESENT

- Co-founder of REZA INC., a VC backed 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, March 2023 – June 2023)
- Acquired waitlist of 70K+

Undergraduate Researcher *Hope College Mathematics & Geology Department*

MAY 2019 – PRESENT

- Used machine learning & drones to map vegetation density in Lake Michigan sand dunes
- Conducted field work flying drones and performed big data analysis of imagery using R and Python
- Presentations: Joint Math Meetings, Geological Society Association Meeting, Mathfest, PME meetings (2019, 2020, 2021, 2023)

Ford Motor Company *Internship*

SUMMER 2022

- End to end data pipeline sourced from features in vehicles to create data visualizations using SQL, Python, Putty, Amplitude.
- Created a clinic to evaluate the digital owner's manual found in the entertainment system in the Ford F150 Lightning
- Presented recommendations to executives based on insights gained from study

Software Developer *Mobile App Development*

JULY 2023 – SEP 2023

- React Native developer for stealth social media start up
- Worked with a team consisting of one backend developer and two front end engineers.
- Technologies: Firebase, React Native, Test Flight

Math & CS Tutor *Hope College Mathematics & Computer Science Department*

AUG 2019 – MAY 2020

- Tutored for lower and upper-level math courses, and for a Software Design & Implementation CS course using Java
- Provided mathematical guidance to students on an individual and group basis

ABOUT

I am a senior studying Mathematics with a concentration in Statistics at Hope College in Holland, MI. I use data analysis and statistical learning methods to solve problems. I also enjoy learning about software development.

SKILLS

Programming Languages

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

Technologies & Frameworks

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

EDUCATION

Hope College *B.S. Mathematics – Statistics Concentration*

2018-2020, 2021-2022, 2023-PRESENT

- Expected Graduation: May 2024
- Cumulative GPA: 3.97

Highlighted Coursework

Statistics for Data Science, Advanced Linear Algebra, Real Analysis, Numerical Analysis, Algebraic Structures, Databases for Data Science, Software Design & Implementation, Computer- Aided Design, Intro to Mathematical Physics, Physics Lab: Electronics, Biomedical Instrumentation

AWARDS & HONORS

- Pi Mu Epsilon Outstanding Speaker Award at JMM (2024)
- Erik Aasen Scholarship (2022)
- Michigan Space Grant Consortium Undergraduate Fellowship (2020)
- John H. Kleinheksel Mathematics Award (2019)
- Hope College Presidential Scholarship
- Pi Mu Epsilon Mathematics Honor Society (2019)
- Kennedy-Lugar Yes Abroad State Department Scholarship (2016)