

Jack Schlehr

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EDUCATION

University of Notre Dame

GPA: 3.94, Major GPA: 4.00

Major: Computer Science

Honors: Tau Beta Pi early inductee, Dean's List (Top 30% of college) all semesters

Notre Dame, IN

Graduation May 2023

SKILLS

Programming: Python, C/C++, Java, JavaScript, HTML, CSS, Shell Scripting, Git

Other: quantitative analysis, software development, code review, leadership, innovation, entrepreneurship, design, teamwork

SAMPLE PROJECTS

Ecommerce Web Application ([GitHub](#)) ([Live Site](#))

July 2021 – August 2021

- Designed and implemented ecommerce website using HTML, CSS, JavaScript, Django, and PostgreSQL for charitable clothing brand *a better tomorrow*
- Created API with Django to receive AJAX GET request from user to check if a given item's size was in-stock
- Integrated Django all-auth for user authentication, Stripe for payment, and Gmail SMTP server for mail
- Launched the website for production with Digital Ocean Apps and Unicorn

Portfolio Website ([GitHub](#)) ([Live Site](#))

June 2021

- Learned HTML, CSS, and JavaScript to build responsive website to showcase past projects
- Used Google PageSpeed Insights to improve load time and achieve performance score of 90/100

EXPERIENCE

Teaching Assistant for Data Structures (CSE 20312)

August 2021 – Present

- Conducted weekly office hours to assist students with conceptual questions or debug their C++ assignments
- Responsible for grading students' coding assessments and directing students during lab section

Quantitative Data Analysis with RCM-X ([GitHub](#))

Notre Dame, IN

Preternship Software Engineer

April 2021 – May 2021

- Collaborated with three students and software engineer from RCM-X (Financial Technologies) to research and develop stock trading algorithms
- Used NumPy and Python to create proprietary backtesting engine and implement trading algorithms
- Met for weekly code reviews and presented final project to professor and software engineer from RCM-X

a better tomorrow. LLC

Notre Dame, IN

Cofounder

August 2020 – Present

- Cofounded a sustainable clothing brand centered around connecting consumers to local charities
- Accepted into business incubator program at Notre Dame and McCloskey new venture competition
- Secured \$1,000 grant and helped grow sales to over \$6,000 in 5 months
- Provided pillows, sheets, and cleaning supplies for entire Homeless Shelter during Covid pandemic

Niacet Corporation

Niagara Falls, NY

Electrical Engineering Intern

May 2020 – July 2020

- Conducted electrical load study to measure power usage at world's largest producer of calcium propionate
- Analyzed data to find peak and average power usage for each chemical process in the factory using excel
- The results from the study will be used in \$4 million power expansion project

ACTIVITIES

Quant Club (Spring 2021), Squash Team (Fall 2019-Present), Welcome Weekend Staff (Fall 2020)