

Jake Brinkmann

+1 586-744-8323
jake-brinkmann.com
United States

in jake-brinkmann/
jbrinkm@umich.edu
JBrink8

Education

Bachelor of Science

Computer Science

Spark Electric Motorcycle Software Team

Client Strategy Manager at the Michigan Sport Consulting Group

Treasurer at West Quadrangle Residence Hall Association

University of Michigan - Ann Arbor

August 2021 – Present

Work Experience

Zettawatt Equivalent Ultra-fast Pulse Laser System (ZEUS) NSF Lab

Full Stack Development Intern

May 2023 – Present

Ann Arbor, Michigan

- Wrote the Authorization API for the lab's web portal.
- Built a shared calendar to display the experimental schedule, and to allow admin to edit said schedule.
- Have been working with the Gmail API to create a help-ticket system.

University of Michigan Recreational Sports Department

Personal Trainer

August 2022 – Present

Ann Arbor, Michigan

- Conduct fitness assessments, create workout programs, and meet regularly with clients.
- Named the trainer with highest client retention rate in last round of performance reviews.
- Specialize in working with beginners and those that are recovering from injury.

Club Involvement and Projects

Hardware Hexadecimal Interpretation

Spark Electric Motorcycle Project Team

Winter 2023

Wilson Student Team Project Center, Ann Arbor

My team and I used python to build hexadecimal interpretation scripts, allowing the electrical and mechanical teams to interpret key data for the performance of the bike.

Spatial Data Analysis with Python (SpatDAPy)

Package available on PyPI

Fall 2022 - Winter 2023

My couch

Developed this package to assist the Michigan Sport Consulting Group in conducting Spatial Analyses of areas surrounding stadiums/venues. Cut down 20+ labor hours into 2 labor hours through the use of this package.

Client Strategy Manager

Michigan Sport Consulting Group

Winter 2023

Led a team tasked with overhauling MSCG's client acquisition strategy to correct the club's recent struggles. Wrote the 'playbook' the club will be using for client acquisition going forward.

Technical skills

Programming Languages

C++, C, Python, JavaScript, HTML, CSS, Swift, R, SQL

Other skills

German Language

Elementary Skill Level

Motivational Speaking

Ability to motivate my clients and teams

Academic Curiosity

Endless curiosity and drive to understand complex systems

Awards Accomplishments

Trailblazer Award

Michigan Sport Consulting Group

2023

Physical Education Department Award

Eisenhower High School

2021

Sub-2 Hour Half Marathon

Map My Run

2021