SPENCER HANSON
334 S Jefferson St • Woodstock, IL 60098
sphanson@umich.edu • 815.814.0726

EDUCATION
2017 - Present

UNIVERSITY OF MICHIGAN   Ann Arbor, MI
College of Literature, Science, and the Arts
Computer Science BS, May 2021
Minor in Physics
- Cumulative GPA: 3.68/4.00
- Awards: Dixon Scholarship, William J. Branstrom Freshman Prize, University Honors
- Coursework: Data Structures & Algorithms, Machine Learning, Web Systems, System Design of a Search Engine, Computer Security, Computer Architecture, Advanced Operating Systems

Fall 2019

UNIVERSITY OF NEW SOUTH WALES   Sydney, Australia
Study Abroad
- Awards: Bhatt Scholarship, Pass with Distinction
- Coursework: Creating Social Change, Microeconomics, Linear Algebra, Physics: E&M

EXPERIENCE
Summer 2020

DUO SECURITY   Ann Arbor, MI
Software Engineering Intern
- Modernized the Duo Prompt to support Face ID by leveraging the WebAuthn API to register and authenticate users, eliminating dependence on Duo Push for 10+ million devices running iOS 14
- Collaborated with design and product teams to add the user's hostname and out-of-date software details to the Auth Log, resolving 5 customer requests and contextualizing 15% of failed logins
- Constructed Grafana dashboard to measure Device Health app communication in real time by displaying the average health check duration per OS and per app version for 150,000+ users

2020 - Present

MECC CONSULTING GROUP   Ann Arbor, MI
Project Manager (F20), Consultant (S20, W20)
- *Birth Detroit*: Crafted sustainable business model for new Easy Access Clinic and devised social media strategy based on engagement rates and ad ROI analysis, attracting 100+ new customers
- *Detroit Tigers*: Collected 150+ variables from 647 home games by scraping data with Python to develop forecasting model, predicting attendance with 90% accuracy against historical data
- Selected to acquire, scope, and deliver a pro bono project, leading diverse team of 3 consultants
- Voted "Most Outstanding Consultant" as first-semester consultant on the Detroit Tigers project

Summer 2019

NORTHROP GRUMMAN   Rolling Meadows, IL
Software Quality Engineering Intern
- Developed Windows Forms App in C# to streamline nonconformance and anomaly tracking by entering test results into SQL Server database, decreasing detection-to-correction time by 20%
- Analyzed 13 years of sector-wide corrective action records using the Analysis ToolPak in Excel to identify data inconsistencies, briefing executive leadership ahead of software license renewal
- Created audit checklist and process evaluation plans for 15 Aircraft Survivability Development programs based on client deadlines and past compliance, reducing internal audit hours by 25%

2017 - 2019

MICHIGAN RESEARCH AND DISCOVERY SCHOLARS   Ann Arbor, MI
Peer Advisor (W19, F18), Research Assistant (W18, F17)
- Oversaw 9 first-year students as they pursued introductory research positions and acclimated to campus by conducting monthly one-on-one meetings, inspiring 5 students to return as leaders
- Facilitated 5 seminars that engaged students with alumni and faculty on interdisciplinary topics by coordinating with 11 other advisors, assessing engagement through 3 graded journal entries
- Investigated the impact switching context when responding to emails has on time productivity in the workplace, presenting results at the 2018 National Conference on Undergraduate Research

ADDITIONAL
- Skills: Python, C/C++, Java, SQL, JavaScript, Microsoft Office, Adobe Creative Cloud, Tableau
- Clearbrook (2017, 2018): Worked at CHOICE program, a nonprofit human-service organization providing services and creating opportunities for individuals with developmental disabilities
- Avid Runner: Sectional Champion and 2x State Qualifier in the 1600M run, fastest time is 4:28
- Website (SpencerHanson.net): Built from scratch to showcase my project and travel experiences