

SPENCER HANSON

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EDUCATION 2017 - Present	UNIVERSITY OF MICHIGAN College of Literature, Science, and the Arts Computer Science BS, May 2021 Minor in Physics <ul style="list-style-type: none">• Cumulative GPA: 3.68/4.00 ACT: 33/36• 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	Ann Arbor, MI
Fall 2019	UNIVERSITY OF NEW SOUTH WALES Study Abroad <ul style="list-style-type: none">• Awards: Bhatt Scholarship, Pass with Distinction• Coursework: Creating Social Change, Microeconomics, Linear Algebra, Physics: E&M	Sydney, Australia
EXPERIENCE Summer 2020	DUO SECURITY Software Engineering Intern <ul style="list-style-type: none">• 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Push for 10+ million devices running iOS 14• Collaborated with design and product teams to add the user's hostname and out-of-date software details to the Auth Log, resolving 5 customer requests and contextualizing 15% of failed logins• Constructed Grafana dashboard to measure Device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	Ann Arbor, MI
2020 - Present	MECC CONSULTING GROUP Project Manager (F20), Consultant (S20, W20) <ul style="list-style-type: none">• <i>Birth Detroit</i>: 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• <i>Detroit Tigers</i>: 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	Ann Arbor, MI
Summer 2019	NORTHROP GRUMMAN Software Quality Engineering Intern <ul style="list-style-type: none">• 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%	Rolling Meadows, IL
2017 - 2019	MICHIGAN RESEARCH AND DISCOVERY SCHOLARS Peer Advisor (W19, F18), Research Assistant (W18, F17) <ul style="list-style-type: none">• 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	Ann Arbor, MI
ADDITIONAL	<ul style="list-style-type: none">• 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	