Spencer Goodwin

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Education

University of Michigan,	Graduation May 2025
College of Literature, Science, and the Arts	Ann Arbor, MI

B.S. Computer Science, Major GPA: 4.0
Coursework: Statistics and Data Analysis, Intro to Data Structures, Discrete Math, Calc. 1 & 2

Experience

Mantula Solar — July – August 2022
Software Engineer Intern — *Washington, DC*

- Implemented new front end by leveraging React.js, HTML/CSS, bootstrap framework, firebase, and design expertise to improve user experience and interactivity and connect clients to provided solar services
- Identified and built price calculator based on specific customer inputs to manufacture customized price quote leading to improved customer experience and faster rate of customer inquiries by 200%
- Led 5 fellow interns on 17 React component design implementation by reviewing individual page designs and coordinating with company employees on website desires to create unified website architecture

iXperience — July – August 2022
Full Stack Development Course — *Washington, DC*

- Developed chat application using React, Bootstrap, and Firestore Real-Time feedback with connected profile and register pages to connect new users and create web app ready for deployment
- Created task list application connected to Firebase by implementing analytics to track daily usage and authentication for login and register pages to effectively manage course content and daily tasks

Dudes for Dads — *April 2022 – Present*
Founder & Program Director — *Washington, DC*

- Conducted operations of two donation drives using social media marketing which provided stimulus to non-profit and raised $24,582 leading to awareness of campaign and funding for future philanthropic events
- Assisted with management of 5 team members in receiving 501(c)(3) tax exemption to support donors for used sports equipment donation drive which received 350 pieces to donate to children at Camp Fire

TAMID Group — Jan 2022 - Present
Tech Consulting Analyst — *Ann Arbor, MI*

- Advised for movement analytics AI startup Sency.ai by evaluating market entry approach and assessing KPIs to manage customer acquisition costs and attract high value partnerships
- Communicated ML program functionality to teammates to effectively create marketing material

Projects

Machine Learning Stock Predictor, *Python* — *Feb 2021*

- Developed machine learning stock prediction algorithm using openpyxl library which reads analyst data from excel file to effectively clean dataset using NumPy to provide refined list of analyst predictions
- Parsed analyst data using SciPy library to arithmetically weight dataset of predictions on historical accuracy to create set of filtered stocks with listed prices to buy, sell, and predicted time to reach specified prices

Technical Skills

Programming Languages: C++, React.js, JavaScript, Python, HTML, CSS
Technologies: Firebase, Postman API, Node.js, Bootstrap, NumPy, Openpyxl, SciPy, REST

Additional

Stormed Michigan Big House After Ohio State Win, Avid Skier, Often Take Hikes with my Dog, Marvel Enthusiast, Can Make Origami Cranes, Prefer Hands-On Learning, Fascinated by Web 3.0