ADAM SCHOENFELD

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EDUCATION

University of Michigan, Ann Arbor, MI   **April 2022**
Bachelor of Arts Candidate
- Expected Major: Computer Science
- Relevant Coursework: Elementary Programming Concepts, Discrete Mathematics, Programming and Introductory Data Structures, Introduction to Programming in the Sciences, Foundations of Computer Science, Introduction to Computer Organization, Data Structures, Applied Linear Algebra

SKILLS

- Programming Languages: C++, Python, Java, HTML, CSS, JavaScript, SQL
- Platforms: GitHub, Linux, Android Studio, Flask

EXPERIENCE

TalentAlgo Inc., New York, NY   **July – August 2019**
Software Development Intern
- TalentAlgo is a website that algorithmically matches job searchers with companies looking to hire based on numerous factors
- Utilized unsupervised machine learning libraries in python, such as HDBSCAN, to perform clustering analysis on large high-dimensional datasets for the purpose of creating job candidate archetypes
- Performed analysis on experimental data using Tableau to refine the clustering model
- Worked closely with the partners of the company to learn their business and technology in order to validate and integrate my work

Michigan Autonomous Aerial Vehicles, Ann Arbor, MI   **May 2019 – June 2019**
Software Team
- MAAV is an organization that builds and programs autonomous drones to compete in the International Aerial Robotics Competition
- Improved algorithms utilizing neural networks to detect and track objects using Intel Realsense RGBD cameras and LIDAR

Camp Lenox, Lee, MA   **June - August, 2017 - 2018**
Waterfront Staff
- Mentored and supported a bunk of eight campers aged 10-13 throughout their seven-week stay at overnight camp
- Instructed children aged 7-16 in waterskiing, wakeboarding, sailing, and kayaking
- Performed lifeguarding duties at the camp lake to ensure the safety of all swimmers and boaters

PROJECTS

EasyTuya   **October 2020 - Present**
- Self-developed, FOSS Python module designed to enable programmers to easily interact with their Tuya-based IoT devices through Python scripts with the intention of enabling complex automation scenarios and streamlined prototyping of Python-based IoT devices
- GitHub link: https://github.com/ASchoe311/EasyTuya

Twitter Sentiment Analysis   **April 2019**
- Developed an application in Python that, when given a topic and year, collects all tweets mentioning the topic from that year and then presents a graph detailing how public sentiment regarding the topic on twitter changed day by day throughout the year
- Utilized a public library to enable the acquisition of tweets older than available from the Twitter API and integrated a machine learning algorithm to determine the sentiment of each tweet

INVOLVEMENT

Byram Hills High School Technology Club, Armonk, NY   **2013 - 2017**
President – 2017
- Organized and led meetings, taught programming skills, and led a team in an all-Westchester mobile app competition

OTHER ACTIVITIES

University of Michigan waterskiing team, University of Michigan snowboarding club