

# ADAM GLUCK

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## EDUCATION

### The Ohio State University

Computer Science & Engineering Honors B.S.

Expected Graduation: May 2024

GPA: 3.87/4.0

## EXPERIENCE

### Special Projects Coordinator

Big Data Analytical Association

January 2022 – Present

Columbus, OH

- Planned education and research events as a Special Projects Coordinator for Data Analytics student organization with over 150 active members
- Developed visualizations and NLP models for 200,000+ congressional speeches for the in-house research program under Dr. Janet Box-Steffensmeier
- Lead interactive workshops on data science topics such as web-scraping and data visualization

### Software Engineering Intern

TeamDynamix

May 2021 – Present

Columbus, OH

- Integrated and documented various applications and platforms into TeamDynamix's Integration Platform as a Service (iPaaS) for task automation. Some examples include Tableau, Dropbox, and Facebook
- Debugged issues in project code base using Visual Studio debugger and Chrome Devtools
- Developed features to augment iPaaS using ASP.NET Framework

### Owner and Manager

Sky High Aerial Photography LLC

September 2020 – May 2021

Dublin, OH

- Created and Operated business that uses drones to provide aerial photography services to Central Ohio clients
- Specialized in implementing roof inspections protocols for private homeowners
- Granted FAA commercial drone license

## PROJECTS

### Open Learn | Passion Project

- Developing a website to aggregate a curated set of top learning resources
- Utilized Django, SQLite, and Tailwind CSS to create accessible webapp
- Automated web scraping for thousands of official course websites from top universities using Scrapy framework

### Telegram Chatbot | Personal Tool

- Automated everyday tasks such as updating/monitoring git repositories using Github Repositories.
- Utilized Microsoft Azure to deploy and host chatbot using Github Actions and an App Services.
- Optimized chatbot to use webhooks instead of polling to limit resource use on Azure.

### Evolution Simulation | Science Fair Project

- Simulated the evolution of virtual organisms through tracking changes in traits such as size, speed, and vision.
- Designed custom genetic algorithm from scratch using Python and presented data using a Jupyter Notebook.
- Achieved the highest possible rating in the Ohio Academy of Science State Science Day Fair.

## TECHNICAL SKILLS

**Programming Languages:** Python, Java, C#, Julia, C/C++, HTML/CSS, Matlab, Javascript

**Data Science Tools:** Pandas, Scrapy, Scikit-Learn, Keras, Numpy, Matplotlib, Plotly

**Developer Tools:** Googling, VS Code, Linux, Microsoft Azure, Git, Jupyter, Visual Studio, Vim, LaTeX, Markdown

**Web Development:** Django, ASP.NET, Tailwind, Flask, SQLite, SQL Server, FastAPI

## ACHIEVEMENTS

- **Winner:** Best Hardware Hack of the 2021 UChicago Uncommon Hacks Hackathon
- **Honorable Mention:** Best use of Intersystem's FHIR platform at the 2021 MIT HackMIT Hackathon
- **Winner:** Honda Data Exploration Challenge & Best Presentation of the 2021 OSU Data/IO Hackathon
- **Honorable Mention:** For exceptional technical difficulty at the 2021 OSU Hack OH/IO Hackathon
- National Wrestling Coaches Association 2021-2022 All Academic Team