Adam Gluck

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Summary

Underclassmen at the Ohio State University with strong interests and desire to learn/enhance skills set in: computer science, engineering, and AI, with commercial applications. Experience includes: web design, machine learning, software development, and entrepreneurship/business owner. **Eager to learn and be exposed to the cutting edge of computer science, as well as become a strong contributor to an internship**.

Education

Computer Science & Engineering Honors B.S. **Expected Graduation: May 2025**
The Ohio State University *GPA: 3.9/4.0*

Experience

Executive Board, Big Data Analytical Association (BDAA) **January 2022 – Present**
- *Planned* education and research events as a Special Projects Coordinator
- *Developed* numerous web-scrapers and NLP models for congressional data as an analyst for the BDAA Research Team
- *Lead* interactive workshops on data science topics such as web-scraping and data visualization

Intern, Team Dynamix **May 2021 – Present**
- *Integrated* and documented various applications and platforms into Team Dynamix's Integration Platform as a Service (iPaaS) for task automation. Some examples include Tableau, Dropbox, and Facebooks
- *Debugged* issues in project code base when adding new services to iPaaS using git version control
- *Developed* software such as a file zipping connector that allowed users to zip together files created in iPaaS or from their local file system

Scholar, Qubit by Qubit **December 2020 – May 2021**
- *Learned* about Quantum Computing and its applications through online intensive course sponsored by IBM
- *Honed* necessary math skilsl needed for quantum computing including linear algebra and statistics/probability
- *Implemented* quantum circuits using IBM's Qiskit platform

Owner and Manager, Sky High Aerial Photography LLC **September 2020 – May 2021**
- *Created and Operated* own photography business that uses drones to provide aerial photography/videography services to Central Ohio clients
- *Specialized* in implementing roof inspections protocols for private homeowners
- *Granted* FAA commercial drone license

Projects

Shoulders of Giants | *Hackathon Submission* **April 2021**
- Developed a website that allows students to ask questions to famous historical figures for the University of Chicago's Uncommon Hacks Hackathon
- Utilized Web scraping with the Beautiful Soup library to fine-tune GPT-2 models on the lectures of famous figures such as Richard Feynman Trained the GPT-2 models and helped design the website, which is currently live at https://thegiants.tech

Evolution Simulation | *Science Fair Project* **April 2021**
- Simulated the evolution of virtual organisms through tracking changes in traits such as size, speed, and vision
- Created a custom genetic algorithm to mimic the simulate biological reproduction for the virtual organisms
- Achieved the highest possible rating in the Ohio Academy of Science State Science Day Fair

Skills

Programming Languages: Python, Java, C#, C, HTML/CSS, JavaScript, Julia, Matlab
Data Science Libraries: TensorFlow, Scikit-Learn, Keras, Numpy, Pandas, Scrapy, Matplotlib/Plotly
Developer Tools: Google, VS Code, Linux, Microsoft Azure, Git, Eclipse, Jupyter, Streamlit, Visual Studio, Anaconda, VIM
Computer Aided Design: Autodesk Inventor, Autodesk Fusion, Solidworks, Cura
Communication: MS Powerpoint, MS Word, MS Excel, Public Speaking, LaTeX, Markdown

Achievements

- **National Honor Society:** Jan 2020 - May 2021
- **Honor Roll:** Jan 2017 - May 2021
- **Winner:** Most Orignal Hack of OSU HighSchool/IO Hackathon: Jan 2019
- **Winner:** Greatest Social Good Hack of OSU HighSchool/IO Hackathon: Oct 2020
- **Winner:** Second Best Overall Hack of OSU HighSchool/IO Hackathon: Jan 2021
- **Winner:** Best Hardware Hack of the UChicago Uncommon Hacks Hackathon : April 2021
- **Ohio Delegate:** World Food Prize Foundation Global Youth Institute: October 2021
- **Honorable Mention:** Best use of Intersystem's FHIR platform at the MIT HackMIT Hackathon : September 2021
- **Winner:** Honda Data Exploration Challenge & Best Presentation of OSU Data/IO Hackathon: October 2021
- **Honorable Mention:** Honorable mention for exceptional technical difficulty at Hack OH/IO Hackathon : November 2021