Trinity Kleckner

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EDUCATION

University of Pennsylvania- Philadelphia, PA — Expected May 2025
    Accelerated M.S.E. in Robotics candidate

Haverford College- Haverford, PA — Expected May 2024
    B.S. in Computer Science; concentration in models of cognition and information processing; minor in religion.

Aquincum Institute of Technology *(study abroad)-* Budapest, Hungary — August-December 2022

<u>Relevant Coursework:</u> Machine Learning, Complex Networks, Data Science, Data Structures, Systems Programming, Applied Cryptography, Programming Languages, Theory of Computing, Linear Programming, Linear Algebra.

SKILLS

Programming: Python- *TF, Pandas, SKlearn*, Java, C, C++ (proficient); Bash, HTML, CSS, R, VBA, Assembly

Technical: Django, GitHub, LaTeX, Kubernetes, Jupyter Notebooks, Google Suite, Microsoft Office, IBM Cloud

Personal: Communication, Critical thinking, Leadership, Problem solving, Teaching

WORK EXPERIENCE

Grant Exec — Remote
Software Developer — August 2022-Present
- Wrote a script fully automating daily database updates, including pulling, cleaning, and parsing of data.
- Automated grant matching using API's to query the database and output matches for quality assurance on submission.

International Business Machines (IBM) — Bethesda, MD
Technology Engineer/Developer Intern — May-August 2022
- Worked on a team in IBM's Client Engineering assigned to a major account in the Financial Services Market.
- Built a customer and C-suite facing app and chatbot using Watson on IBM Cloud for a client looking for a solution to their diminishing number of customer service representatives and continuous loss of customers.
- Assisted in the build of an executive security dashboard for a client. Cleaned, analyzed, and created visuals for incoming data.
- Completed 100+ hours of learning and earned 5 digital credentials.

Haverford College — Haverford, PA
Research Assistant- Simultaneous Machine Translation Research with Dr Grissom II — March-June 2022
- Trained four transformer models as translators then analyzed their ability to translate incomplete sentences.
- Wrote python scripts to generate accuracy data for each model under various assumptions, generated plots to demonstrate findings in a clear and descriptive manner.

Teaching Assistant- Intro to CS | Data Structures and Algorithms — September 2021-Present
- Held office hours and attend lab sessions to help students understand material covered in class.
- Graded assignments in python and java.

LEADERSHIP EXPERIENCE

Co-President of HaverCode- Haverford's CS Student Organization — January 2022-Present
- Developed partnership with the CS Department- meet regularly with the chair and faculty to discuss areas of improvement including inclusivity, culture, and structure.
- Hosted workshops and create resources for CS students to provide support for liberal arts student pursuing tech.
- Mentor students academically, professionally, and personally to help them set and achieve goals.

PROJECTS

AltruiSMS (Git Repo)- Won best hack for social good @ Drexel's Philly Codefest — April 2022
- A web app and SMS chat bot to help homeless and low-income people find resources and shelter without wifi or data. See the full project description here: https://devpost.com/software/chat-for-help.
- It is a Django based app deployed through Heroku using Twilio and various API's to enable the SMS bot.

The SMSpace- IBM's Call for Code Intern Hackathon — July 2022
- A web app and chat bot designed for people to earn IBM Credentials without internet.
- I created the Django app, and the watson chat bot with a AI trained search feature. I connected the chatbot to the app using Twilio, and deployed the app locally using docker then to a Kubernetes cluster on IBM Cloud.