

Trinity Kleckner

tkleckner@haverford.edu

Personal Site: trinitykleckner.github.io

GitHub: github.com/trinitykleckner

LinkedIn: linkedin.com/in/trinitykleckner

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- Budapest, Hungary

August-December 2022

Study abroad semester

SKILLS

Programming: python- *tf, pandas, sklearn*, Java, C, C++ (proficient); bash, HTML, CSS, R, vba, JavaScript, assembly

Technical: GitHub, LaTeX, Jupyter Notebooks, Vim, Arduino, Google Suite, Microsoft Office, IBM Cloud

Personal: Communication, critical thinking, leadership, problem solving, teaching

WORK EXPERIENCE

IBM

Bethesda, MD

Technology Engineer/Developer Intern (full time)

May-August 2022

- Reformed a client's customer service with a chat and voice bot implemented on IBM Cloud using Kubernetes, DB2, and Watson.
- Assisted in the build of an executive security dashboard for a client. Cleaned, analyzed, and created visuals for incoming data.

GRANT EXEC

Remote

Software Developer (part-time freelance)

June 2022-Present

- Wrote a script to parse an XML file containing information on all federal grants into an excel spreadsheet.
- Reduced line count (by a factor of two) and runtime while fixing and adding features to the script.

HAVERFORD COLLEGE

Haverford, PA

Research Assistant (part-time)

March-June 2022

- Worked with Dr Grissom II on research in Simultaneous Machine Translation of SOV to SVO languages.
- Analyzed performance of transformer models trained as translators as the source is revealed.
- Created plots for various metrics and models to demonstrate findings in a clear and appealing way.

Teaching Assistant (part-time) *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- now we meet regularly with the chair and faculty to discuss areas of improvement including but not limited to inclusivity, culture, and structure.
- Run 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.

IBM Call for Code Student Voice

- Work with the University challenge team to strategize ways to advertise the challenge to university students

Hiring Committee Student Representative (CS Department)

March 2022-Present

- Attend prospective interviews with prospective professors and aid in deciding who would best fit the open role

PROJECTS

AltruismSMS (Git Repo)- Won best hack for social good @ Drexel's Philly Codefest

April 2022

- A web app and SMS chat bot (Phil) 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- Submitted to 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.