

Trinity Kleckner

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EDUCATION

Haverford College- Haverford, PA Expected May 2024

B.S. in Computer Science, B.A. in Religion concentrating on Religion, Ethics, and Society

University of Pennsylvania- Philadelphia, PA Expected May 2025

Accelerated M.S.E. in Robotics

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

Relevant Coursework: Machine Learning, Data Science, Data Structures, Engineering Entrepreneurship, Systems Programming, Scalable Development, Applied Cryptography, Programming Languages, Theory of Computing

SKILLS

Programming: Python, JavaScript, Java, C, C++, TypeScript, Ruby (proficient); Bash, HTML, CSS, SQL, R, Racket

Technical: React, Django, Bootstrap, APIs, webhooks, GitHub, LaTeX, Jupyter Notebooks, IBM Cloud

WORK EXPERIENCE

Stripe Remote

Software Engineer Intern, Accounting Products team

- Built and deployed a full stack payment data filtering system as requested by multiple large clients at Stripe
- Built a pivoting system allowing clients to group their downloaded data by multiple attributes

Grant Exec: Startup Company Matching Clients to Grant Funding Opportunities Remote

CTO & Software Engineer August 2022-March 2023

- Created federal grant monitoring system resulting in over \$10,000 in revenue in the first month after release.
- Led and managed the development team, sustaining of all current and upcoming products and services
- Developed the matching algorithm used to recommend grants based on client profiles, implemented in multiple products.

International Business Machines (IBM) Bethesda, MD

Technology Engineer/Developer Intern, IBM's Client Engineering May-August 2022

- Developed visuals to capture KPI and performance data used to create a cybersecurity monitoring dashboard for one of IBM's largest financial services accounts.
- Built interactive internal and customer-facing dashboards to streamline and automate response to user inquiries

Haverford College Haverford, PA

Research Assistant- Simultaneous Machine Translation Research with Dr Grissom II March-June 2022

- Trained four transformer models as translators and analyzed their ability to translate incomplete sentences
- Wrote scripts to extrapolate accuracy data and generated plots to demonstrate key findings

LEADERSHIP EXPERIENCE

Co-President of HaverCode- Haverford's CS Student Organization February 2022-Present

- Hosted workshops and create resources for CS students to provide support for liberal arts students pursuing tech
- Mentor students academically, professionally, and personally to help them set and achieve goals.

PROJECTS

LightHouse ([Git Repo](#)) ([Submission](#))- Won best DEI hack @ Drexel's Philly Codefest 2023 April 2023

- Multi-lingual, low digital literacy Django Web app utilizing Chat GPT to assist refugees entering the US

Enterprise Grant Monitoring for GrantExec February 2023

- System to monitor grants for clients including an alert system member portal to view all open opportunities
- Created a HTML onboarding form sending data via webhook to the Javascript backend which filters and stores it. On email delivery and client login data is pulled via webhook to provide the client with all opportunities.

AltruSMS ([Git Repo](#)) ([Submission](#))- Won best hack for social good @ Drexel's Philly Codefest 2022 April 2022

- SMS chat bot provides an internet-independent channel of communication with unhoused and low-income people
- It is a Django based app deployed through Heroku using Twilio and various API's

Power Outage Hub Summer 2022

- A web app and chat bot designed to help people prepare for, get through, and recover from power outages
- Developed Django WebApp and Watson chat bot with a AI trained search feature. Connected the chatbot to the app using Twilio, and deployed the app locally using Docker then to a Kubernetes cluster on IBM Cloud.