Trinity Kleckner

tkleckner@haverford.edu

Personal Website: trinitykleckner.github.io
GitHub: github.com/trinitykleckner
LinkedIn: linkedin.com/in/trinitykleckner

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 candidate

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++ (proficient); TypeScript, Bash, HTML/CSS, VBA, R, Racket (basic)

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

WORK EXPERIENCE

Grant Exec: Startup Company Matching Clients to Grant Funding Opportunities — Remote
CTO & Software Developer — August 2022-March 2023

- Created federal grant monitoring system resulting in over $20,000 in revenue in the first month after release.
- Led development of all current and upcoming products and services, including Scouting Report population, Grant Pack UI, Federal Grants newsletter, custom data visualizations, and grant monitoring.
- Led a team of 4 engineers working on data collection, cleaning, and management.
- 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
- Developed Django WebApp to support multiple communication hubs, notification and chatbot systems.
- Built utility and social services information dissemination platform for municipal client using IBM Watson suite

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

Enterprise Grant Monitoring *for GrantExec* — February 2023

- System to monitor grants for a specific clients including member portal to view all open opportunities and weekly alerts of any opportunities posted that week.
- 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.

AltruiSMS (Git Repo)- Won best hack for social good @ Drexel's Philly Codefest — April 2022-Present

- SMS chat bot provides an internet-independent channel of communication with unhoused and low-income people
- Uses the names of two intersecting roads to determine location and provide directions to the nearest shelter
- 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.