




# Tristan Kensinger

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## EDUCATION

### **B.S. Computer Science,**

*Stevens Institute of Technology*

Sep 2019 – May 2023 | Hoboken, NJ

GPA: **3.91** out of 4.0

Minors: Pure and Applied Mathematics & Cyber Security

### **M.S. Machine Learning,**

*Stevens Institute of Technology*

Sep 2023 – May 2024 | Hoboken, NJ

## SKILLS

**Frontend Development** (*HTML, CSS, JavaScript, Bootstrap 5, Handlebars, Jinja, jQuery, Ajax*)

**Backend Development** (*Node.js, Flask, Express.js, JavaScript, Python*)

**Languages** (*Java, Python, C++, C, JavaScript, OCAML*)

**Other** (*MongoDB, SQL, Git, Linux, Windows, Figma, LaTeX*)

## PROJECTS

### **Split,** *JavaScript, Node.js, MongoDB, Figma*

Jan 2022 – May 2022

A lightweight version of a speedrunning website that allows users to post their speedruns and take part in friendly forum posts.

### **NUKEMAP 3D Reborn,** *Blender, Unity, C#, Figma*

Sep 2021 – May 2022

A 3D version of the acclaimed website NUKEMAP under Alex Wellerstein. I was the lead engineer in charge of the 3D models and web integration as well as mathematical scaling of assets.

## COURSES

### **Relevant Courses**

Algorithms, Data Structures, Computer Architecture, Operating Systems, Database Management, Web Development, Discrete Mathematics, Project Management, Programming Languages, Artificial Intelligence, Number Theory, Cryptography

## COMMUNITY SERVICE

### **Soup Kitchen Volunteer,** *100+ Hours Served*

Responsible for preparing breakfast and lunch, training new volunteers, serving food, handing out donations, cleaning dishes and all common areas, and running errands required to keep the soup kitchen operational.

## PROFESSIONAL EXPERIENCE

### **Software Engineer Intern,** *Cvent*

Jun 2023 – Aug 2023 | Remote

- Incoming Summer 2023 software engineer intern.

### **Data Analyst Intern,** *Patterson-Kelley*

Jun 2022 – Aug 2022 | East Stroudsburg, PA

- Fully developed the frontend and backend of a website that allows users to log in and analyze their boiler's data in order to improve efficiency and performance (Python, Flask, Jinja, JavaScript, HTML, CSS, Bootstrap 5, Ajax, and jQuery).
- Researched and created documentation for the API used by the boiler's hardware.
- Deployed my website with Google Cloud's App Engine.
- Created statistical tests and graphs to analyze boiler data in order to improve efficiency and performance.

### **Web Programming Course Assistant,** *Stevens Institute of Technology*

Aug 2022 – present | Hoboken, NJ

- Hold office hours, run labs, and grade assignments.

### **Automation Support Intern,** *Sanofi Pasteur*

Jun 2020 – Aug 2021 | Swiftwater, PA

- Spearheaded efforts in upgrading the HMI software for the Flu Incubation Buildings.
- Responsible for initial research, planning and managing the project, frontend and backend development, updating databases, and creating a transition document for future employees to continue the project.
- Created a new hire programming standards document and automated various manual tasks using python.

### **Computational Assistant,** *Stevens Institute of Technology*

Sep 2019 – present | Hoboken, NJ

- I work for Norman J. Morgenstern Horing, author of Quantum Statistical Field Theory.
- Type written manuscripts into publishable articles using LaTeX.
- Format complicated equations and train new employees.

## LEADERSHIP

### **Philanthropy Chair of Chi Psi Fraternity,**

*1,000+ Dollars Raised for Charity*

Jan 2023 – May 2023

Create, plan, and lead philanthropy events in order to raise money for the Hoboken Homeless Shelter and help brothers reach their required service hours for the semester.

### **Vice President and House Manager of Chi Psi Fraternity**

Jan 2022 – May 2022

Responsibilities included leading 20+ brothers, budgeting an \$8,000 annual budget, assuring the house is fully operational in accordance to safety procedures, managing upkeep of household appliances, machinery, plumbing, water, heating, etc., and organizing room selection, and weekly cleanups