



Tristan Kensinger

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EDUCATION

M.S. Machine Learning,

Stevens Institute of Technology

Sep 2023 – May 2024 | Hoboken, NJ

GPA: **4.0** out of 4.0

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

SKILLS

Frontend Development (*Javascript, Typescript, React, Redux, HTML, CSS, Bootstrap 5, Handlebars, Jinja, jQuery, Ajax*)

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

Programming Languages (*Java, Python, C++, C, JavaScript, Typescript, OCAML, Erlang, R*)

Development Tools (*Git, Jira, Jenkins, Figma, LaTeX, Datadog, Splunk, IntelliJ, Postman*)

Other (*Linux, Windows, MongoDB, SQL, AWS, GCP, Maven, Junit, Security, Agile Development*)

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, Concurrent Programming, Systems Programming, Linear Algebra, Calculus

COMMUNITY SERVICE

Soup Kitchen Volunteer, *100+ Hours Served*

Sep 2022 – present

- Volunteer weekly at local soup kitchen
- 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 operating smoothly

PROFESSIONAL EXPERIENCE

Software Engineer Intern, *Cvent*

Jun 2023 – Aug 2023 | Remote

- Implemented payload compression on a framework level improving performance of consuming applications by 83% | Frontend, React, Typescript, Redux
- Updated Java service to Java version 17, added or modified 25+ files, and pushed changes to production | Frontend, Backend, Java, Maven, Splunk, Datadog, Junit, IntelliJ
- Fixed security vulnerabilities in 2 Java services and demonstrated new vulnerable dependency fix workflow to team | Security, Java, Maven, OWASP, Mend
- Cleaned up Java service codebase, removed 5 API endpoints, removed or modified 30+ files, and pushed changes to production and monitored efficacy in the following days | Backend, Java, Maven, Datadog, Splunk, Postman, IntelliJ

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 | Postman, Chrome Developer Tools
- Deployed my website with Google Cloud's App Engine | GCP
- Created statistical tests and graphs to analyze boiler data in order to improve efficiency and performance | Python

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

Web Programming Course Assistant, *Stevens Institute of Technology*

Aug 2022 – Dec 2022 | Hoboken, NJ

- Held office hours, ran labs, and graded assignments

Computational Assistant, *Stevens Institute of Technology*

Sep 2019 – May 2023 | Hoboken, NJ

- Worked for Norman J. Morgenstern Horing, author of Quantum Statistical Field Theory.
- Typed written manuscripts into publishable articles using LaTeX
- Formatted complex equations and trained new employees