

Kathleen C. Fort

katie_fort@outlook.com | (206) 457-7537

www.linkedin.com/in/kathleen-fort/

<https://katie-cooper.github.io/katie-cooper-fort/>

Education

University of North Carolina at Chapel Hill

B.S. Computer Science | Minor: Data Science, Art Studio

GPA: 3.85 | Dean's List (6 semesters)

American Association of University Women STEM Scholar Award

Technical Skills

Java, Python, C, JavaScript, HTML, CSS, SQL, MongoDB, Bootstrap, Angular, Django, Flask, R, Git, Docker, Kubernetes, Data Structures, Data Analytics, Algorithms, Object-Oriented Programming, Infrastructure, Project Management, Full-Stack Development, Machine Learning, XAI, Neural Networks, Mathematics, Statistics, mkdocs, Jira, Bitbucket, Slack, Microsoft Teams, GitHub

Professional Experience

Bank of America

Global Technology Software Engineering Summer Analyst | New York Metropolitan | Jun – Aug 2025

- Developed scalable APIs, dynamic queries, and hierarchical clustering algorithms for the FlexService platform, supporting 25K monthly orders by accelerating root cause analysis and enhancing system reliability for distributed storage infrastructure.
- Utilized Jira and Bitbucket for agile project management; conducted testing across UAT/SIT environments with production data to identify and resolve software defects. Authored technical documentation to support project transfer and maintenance.
- Led a five-intern team to deliver an internal data visualization platform using Python, implementing graphics production and ensuring on-time project delivery through effective task delegation and cross-team collaboration. Presented to 150+ employees.

Life Science Data Analytics Research Group

Undergraduate Researcher | University College Dublin, Ireland | May 2024 – Present

- Designed and implemented machine learning algorithms (XG-Boost, Decision Trees, KNN imputation) to augment Sequential Organ Failure Assessment scores for early sepsis detection, improving patient survival rates by up to 37%.
- Developed a user interface for clinical applications, leveraging explainable AI to interpret patient vitals and support tailored care.
- Presented research poster and software deliverables to academic leadership and stakeholders.

Mesur.IO

Data Analyst | Raleigh, NC | Jan – May 2024

- Enhanced data accuracy and integrity by analyzing global supply chains using Python, improving source-to-customer intelligence and supporting data-driven decision-making.
- Queried MongoDB datasets to uncover multi-tier connections and provide actionable insights for risk assessment and strategy.

Leadership & Community Involvement

UNC Department of Computer Science

Career Assistant | Aug 2025 – Present

- Advise and mentor 900+ undergraduates on professional development, including resume reviews and mock interviews.
- Coordinate large-scale career events and spearhead an initiative to collect increase student engagement and feedback.
- Design and update digital content for departmental outreach, including the weekly departmental newsletter and webpage.

Head of Community Teaching Assistant (TA), Comp 523: Foundations of Software Engineering | Jan – May 2026

- Served as the primary point of contact for TAs, gathering feedback to improve team dynamics and effectiveness
- Supported 200+ students by providing lecture assistance and office hours, assisting with full-stack web development, frontend/backend services, unit testing, and bug identification content and assignment comprehension.
- Participated in collaborative software development using GitHub, including ticket boards, code reviews, and documentation.

Computer Science Experience Labs (CSXL) Ambassador | Aug 2025 – Present

- Support the UNC Computer Science community by facilitating experience labs and assisting students and faculty.

Girls Who Code

Teaching Assistant | UNC-Chapel Hill, NC | Aug – Dec 2024

- Delivered in-person coding instruction to 20+ middle and high school students, focusing on foundational coding concepts.
- Mentored two students one-on-one, reinforcing problem-solving skills and building confidence in programming.

PearlHacks Major League Hacking 24 Hour Hackathon

Team Leader & Volunteer | UNC-Chapel Hill, NC | Apr 2023, 2025

- Team Leader: led a team of four to design the 'SipSavers' app, receiving feedback from industry professionals.
- Volunteer: facilitated collaboration between participants and judges, ensuring access to resources and supporting innovation.

Alpha Delta Pi Sorority

Vice President of Finance | UNC-Chapel Hill, NC | Nov 2023 – Nov 2024

- Managed chapter finances and annual budget, presenting financial reports to executive leadership.
- Implemented an e-check payment initiative, reducing merchant fees and improving payment efficiency.