

Marguerite Collette

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Website: <https://maggiecollette.github.io/Personal-Site/> • LinkedIn: <https://www.linkedin.com/in/marguerite-collette>

Education

NORTHEASTERN UNIVERSITY

Boston, MA

Khoury College of Computer Sciences

September 2021 – Present

Candidate for a Bachelor of Science degree in Computer Science

Expected Graduation: May 2025

Relevant Coursework: Object Oriented Design, Algorithms, Computer Systems, Logic and Computation, Theory of Computation, Fundamentals of Digital Design, Mathematics of Data Models, Foundations of Cybersecurity

Activities: Study abroad coursework at University College Dublin, Northeastern Oasis, Intramural Broomball

Skills

Front-End: JavaScript, TypeScript, AngularJS, React, JSON, HTML, Bootstrap, Node.js, CSS, Express.js, Plotly.js

Back-End: C#, Java, SQL, Python, C, Assembly, AWS, Beautiful Soup, Crontab

Other: Object Oriented Programming, Algorithms, Linux, Fiddler, LaTeX, Racket, NumPy, System Verilog, GitHub

Work Experience

EMONEY ADVISOR

Radnor, PA (Remote)

Software Engineer, Co-Op

July 2023 – December 2023

- Developing and testing C# code to extract comprehensive financial data from bank accounts including balances, transactions, and investments for clients across various financial institutions.
- Analyzing web trace attributes (HTML, JavaScript, JSON, and headers) using Fiddler to determine bug root causes.
- Resolving tickets related to multifactor authentication, missing headers and cookies for page navigation, and general financial institution webpage modifications that require new parser logic.
- Producing SQL scripts to manipulate the database's existing transactions when necessary, referencing Jenkins builds and Octopus deployments to ensure accurate outcomes.

NORTHEASTERN UNIVERSITY

Boston, MA

Teaching Assistant - Fundamentals of Computer Science I & II

May 2022 – May 2023

- Reinforced students' knowledge of writing and debugging programs in Java and Racket during 4+ office hours weekly.
- Directed students through assigned lab problems using worked-out examples during weekly lab sessions.
- Graded an average of 20 assignments and exams each week, based on style, functionality, and efficiency.

GRADY & RILEY ATTORNEYS AT LAW

Waterbury, CT

Office Assistant

May 2022 – September 2022

- Enhanced office flow by streamlining the digitizing of hundreds of client files throughout the firm in a comprehensive and accessible manner, such that ongoing cases can be added.
- Reduced the volume of nonessential documents significantly across office locations, making way for new client files.

Projects

PERSONAL WEBSITE - visit: <https://maggiecollette.github.io/Personal-Site/>

December 2022 - Present

- Self-taught the basics of AngularJS, such as Components, Routing, and Structural Directives, as well as how to use these tools to ease the process of updating project and resume information.

ANGULAR WIDGETS - visit: <https://maggiecollette.github.io/Angular-Widgets/>

December 2022

- Designed a basic weather widget, gaining experience in making an API call with a Service, and utilizing Angular Interpolation, Structural Directives, and built-in Pipes for ease of formatting.

Clubs

NORTHEASTERN UNIVERSITY OASIS

Boston, MA

Club Member, Mentor

September 2022 – Present

- As a club member, conceptualized a web project and gained experience in web scraping utilizing Python, Beautiful Soup, AWS, and Crontab, and self-taught basics of JavaScript, HTML, CSS, and Bootstrap for front-end development.
- As a mentor, providing guidance and feedback during weekly club meetings to two groups of club members on their web development projects.

Interests

Thrifting, Photography, Reading, UConn Basketball, Cooking/Baking, Swimming, Hiking, Running, Volunteering