

Lisa Calegari

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EDUCATION

NORTHWESTERN UNIVERSITY

Evanston, IL

B.A. in **Computer Science**

Expected Graduation: June 2024

Cumulative GPA: **3.8/4.0** | Honors: Dean's List

Relevant Coursework: Data Structures and Algorithms, Fundamentals of Computer Programming I & II, Introduction to Systems Programming, Programming Languages, Multivariable Calculus, Linear Algebra, Operating Systems (current), Human Computer Interaction (current)

WORK EXPERIENCE

Software Engineering Intern

Harris Associates (Chicago, IL)

November 2022 — Present

- Currently working on back-end software engineering projects at Harris Associates during the school year

Software Engineering Intern

Harris Associates (Chicago, IL)

June 2022 — August 2022

- Migrated Critical back-end file processing service from .NET 4.0 Framework to .NET 6.0 Core and replaced multiple deprecated features in packages
- Transitioned back-end service from using XML to store a configuration to using JSON
- Added dependency injection and self-hosting to the startup of the back-end service
- Using C# and Visual Studio, added multiple new features to the back-end service including additional filtering and an admin portal front-end page that displayed useful information about the service
- Wrote additional extensive Gherkin tests for the additional features
- Worked in an Agile development environment and practiced SCRUM

Voluntary Research Assistant

The Gratton Lab at Northwestern University (Evanston, IL)

August 2020 — March 2021

- Formatted CSV survey data using python, jupyter notebook, and the numpy and pandas libraries
- Analyzed and displayed said survey data using python and the seaborn graphing library
- Helped collect survey data

Back-end Programming Team Member

Blockchain club at Northwestern University (Evanston, IL)

September 2021 — June 2022

- Wrote back-end Solidity functions to configure loan functionality for a website that ran on the Ethereum Blockchain
- Worked on a software project in a team environment

Recess: Interest-Based Connections App

Collaborative Project

May 2022 — Present

- Currently collaboratively working on making an app that allows people to meet friends through shared interests
- Wrote a general framework for the app using Swift and SwiftUI
- created multiple swift UI views based on a figma wireframe
- Set up a profile building mechanism with Google sign-in authentication
- Set up a database system for storing user data using firestore real-time database
- Am the primary manager for the project and delegated work in a way that satisfied everyone's interests and skills

SKILLS

Programming Languages: C#, C++, C, Python, Javascript, Java, Swift

Additional Tools/Languages: JSON, XML, HTML, CSS, Swift UI, SQL, Visual Studio, Jupyter Notebook, Agile software development, SCRUM, pair programming, dependency injection, gherkin testing

Organizations: Women in Computer Science, Blockchain, NU Bioscientists, Bio&Chem EXCEL