

Melanie Flowers

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Education

Northwestern University

Evanston, IL (Sept. 2019 - June 2023)

- Computer Science and Economics Double Major with a Latin Concentrated Classics Minor
- Honors: Dean's List

Experience

Computer Science Projects

(2020-present)

<https://melflowers2023.github.io/melanie-flowers/> (Personal Website)

- Responsive portfolio website containing links, descriptions, and images of experiences below

Dining Informant

- React application that combines existing DineOnCampus API with information gathered through user submitted forms to provide updated menus, wait times, and food ratings for all Northwestern dining halls

Zen Dog

- React application that allows users to create an account and access an adaptable feed of content from dog experts curated to address issues they have identified as relevant to their dogs

Photo-App (Instagram Clone)

- Full-stack photo sharing application that involved implementing user authentication and permissions, database interaction, a complete user interface, and using Flask and SQLAlchemy to build a web server and REST API

Color Some Things

- Simple SVG coloring page intended to aid young learners in understanding color theory + ratios through the use of RGB sliders and a color preview that update when a slider value is changed

Entrepreneur

(2016-present)

Shopify Store Owner

(2021-present)

- 1,000+ custom embroidered clothing pieces produced, sold, and shipped while solely managing website, expenses, production, marketing, customer service, and shipments

Etsy Shop Manager

(2017-2018)

- \$100,000+ annual sales & 15,000 total shipments while managing and marketing all operations

Peer-Guided Study Group Facilitator

(2021-present)

Northwestern University Academic Support and Learning

- 6 academic quarters of leading a small group of students through weekly course specific study sessions and collaborating with other facilitators of the subject to generate study materials

Technical Skills

Computer Science Coursework

- Agile Software Development, Web Development, Design and Analysis of Algorithms, Generative Methods, Data Science, Computer Graphics, Game Design and Development, Operating Systems, AI, Programming Languages, Social AR/VR, CS Education

Skills and Programming Languages: C++, Python, JavaScript, HTML, CSS, React, Git

Leadership

President Northwestern's Women's Club Basketball

(2021-present)

President Northwestern's Club Field Hockey

(2021-present)

Peer Adviser Northwestern Office of Student Transition Experiences

(2021-2022)