

Melissa Fang

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EDUCATION

The University of Michigan, Ann Arbor, MI

AUGUST 2018 - MAY 2023

BS in Computer Science, College of Engineering

Minor in UI/UX Design, The Penny W. Stamps School of Art & Design

GPA: 3.4 / 4.0

EXPERIENCE

Criteo, Ann Arbor, MI

Software Development Intern, MAY 2022 - AUGUST 2022

- Built a .Net application in C# using test-driven development and domain-driven design to replace validation logic in the existing code base.
- Developed a validation service by investigating the existing code and encapsulating business logic into objects using a specification pattern.
- Updated the user interface of an internal tool and created a new feature to expose the validation service to technical support teams.
- Participated in code reviews and worked alongside experienced engineers to write readable and sustainable code.

Michigan Engineering Blue Sky Initiative, Ann Arbor, MI

Technical Research Assistant, MAY 2021 - MAY 2022

- Assisted in creating a high school biology curriculum as part of the University of Michigan's Blue Sky Initiative which gives research teams the resources to pursue a wide range of ideas.
- Designed an educational video game using Unity and created accompanying graphics using Adobe Suite.
- Designed scientific graphics to complement high school biology curriculum materials.

Kind FootPrint, Los Angeles, CA

Web Development Intern, MAY 2021 - SEPTEMBER 2021

- Assisted lead web developer in maintaining Kind FootPrint's website.
- Led integration of donor relationship data into new donor management software and processed relationship data.

Elementary Programming, Electrical Engineering & Computer Science Showcase, Ann Arbor, MI

Grand Prize Winner, MAY 2019

- Collaborated with fellow students to create an Arduino board arcade game in C++.
- Awarded grand prize for outstanding design and teamwork.

SKILLS

PROGRAMMING

C#
Unity
Jira
Object-Oriented Programming
Version control
Unreal Engine
C++
Python3
.Net
Bootstrap
Nunit
Test Driven Development
Shell scripting
JavaScript
SQL
AWS

DESIGN

Adobe Suite
UI/UX Design
Web Design
Animation
Web Design

COURSES

Web Systems
Web Design
Data Structures and Algorithms
Foundations of Computer Science
Introduction to Computer Organization
Foundations of AI
Extend Reality and Society: AR/VR applications
Typography
Graphic/Poster Design
Animation
Interaction Design