




Jasmine Nelson

Dedicated computer science student with a variety of software development, systems administration, and technical writing experiences. My interests lie in UI/UX design, XR, software engineering, machine learning, and innovation of next generation platforms.

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WORK EXPERIENCE

Software Engineering Intern — NASA

JUNE 2021 - PRESENT | CLEVELAND, OH

- Extended and improved NASA's Glenn-HT code GUI using Unity (C#) and Java
- Migrated existing GUI functionality from Java implementation to C#
- Collaborated and worked closely with lead mechanical and aerospace engineers to develop and optimize the GUI
- Developed tools/features for the GUI in order to modernize its framework and improve usability for Aircraft Propulsion Engineers
- Ensured code and design meets NASA's coding standards and best practices

IT and Data Science Intern — Breakthrough Schools

SEPTEMBER 2019 - JUNE 2021 | CLEVELAND, OH

- Worked as part of an IT team to run GreaterGiving software for the 2020 Breakthrough BASH & 2021 Breakthrough BASH; raised over \$1MM in each
- Developed and maintained live company web pages using HTML and CSS
- Led Clever Badge initiative; configured Clever sign-in for 477 Chromebooks
- Maintained 200+ distribution lists in an on-premises Exchange Server
- Created 50+ public signup forms for over 3,600 Cleveland families
- Homogenized data between Active Directory, Ultipro, and the key fob system, which increased efficiency and productivity of operations by 17%
- Published 100+ intranet articles on public relations, user guides, and internal communications using WordPress, HTML, and CSS
- Managed/updated address books for 30+ Xerox and Ricoh multifunctions
- Created an analysis on usage statistics of Breakthrough's Virtual Call Center

Programming Lab Assistant — John Carroll University

SEPTEMBER 2020 - DECEMBER 2020 | UNIVERSITY HEIGHTS, OH

- Assisted professors in conducting Java programming labs once per week
- Instructed and assisted students in computer lab technology, software applications, and programming to enhance understanding of laboratory operations and reinforce academic concepts
- Provided students with technical remote application support via answers to theoretical programming inquiries regarding software design while guiding them through the debugging process

IT Tech Squad Intern — Breakthrough Schools

JUNE 2019 - SEPTEMBER 2019 | CLEVELAND, OH

- Worked as a project team member to configure and deploy 1,400+ iPads using Mosyle and Apple School
- Served on a team to powerwash, enroll, and label 5,000+ Chromebooks
- Replaced iPad screens/digitizers and repaired Chromebook and Asus laptop screens and keyboards, saving over \$8,000 in equipment costs

EDUCATION

John Carroll University

Bachelor of Science in Computer Science

AUGUST 2018 - (ANTICIPATED) MAY 2022

Major GPA: 4.0 / 4.0 **Cumulative GPA:** 3.92 / 4.0

Coursework: Web Design & Image Processing, Machine Learning, Database Systems, Models Of Computation, Object-Oriented Programming

Honors: Dean's List - Fall 2018, Spring 2019, Fall 2019, Spring 2020, Fall 2020, and Spring 2021

TECHNICAL SKILLS

Languages: Java • C# • JavaScript • SQL • Python • XML • PHP • R • C/C++

Frontend: HTML • CSS • React • Angular

Backend: Node.js • Django • SQLAlchemy • Flask • MySQL • REST APIs • ASP.NET

Tools: Unity • VS Code • Eclipse • Processing • WordPress • Excel • Jupyter Notebook

Network & Security: Wireshark • Nmap

Programming: Object Oriented Design • Agile Software Development • Debugging • UI Design

SOFT SKILLS

Interpersonal: Creativity, Teamwork, Time Management, Communication, Organization

Languages: English, Chinese (Mandarin)

ACADEMIC PROJECTS

Student Planner App Spring 2021

Developed a web app to help students maintain organization using Python, Flask, HTML, CSS, SQLAlchemy, and the Canvas LMS REST API

Mirror Reflection Game Spring 2020

Worked as part of a team to develop a single player 2D puzzle platformer using Unity (C#)

Hunan Coventry Website Fall 2018

Created a responsive mock website for Hunan Coventry using HTML, CSS, and JavaScript