

Zaina Qasim
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2378 Wheeler Street, Cincinnati, Ohio- 45219

SKILLS

Programming Languages and Tools: Java, Python, C++, HTML/CSS, JavaScript, MATLAB, VBA, Adobe InDesign, Adobe Illustrator, Adobe Dreamweaver, Visual Studio, Raspberry Pi, Microsoft Excel

Courses/Certificates: Python for Beginners (5-course specialization on Coursera), Programming Foundations: Object-Oriented Design (Lynda), Programming Foundations: Algorithms (Lynda), Data Structures (CS 2028), Discrete Structures (CS 2071)

EDUCATION

University of Cincinnati, Cincinnati, OH

College of Engineering & Applied Science

Major: Computer Science (Honors), Minor: Mathematics

Activities/Involvement: Women in Technology (Treasurer), IEEE@UC (Meetings Chair)

Achievements: UC Global Scholarship/Dean's List, MHacks 13 Beta (Best Use of Google Cloud - COVID-19 Hackathon Fund, Best Educational Hack, Best Automation Hack, Best Domain Registered)

Class of 2023

GPA 3.958/4.000

La Martiniere Girls' College, Lucknow, India

Indian School Certificate (ISC) Examination

Indian Council of Secondary Education (ICSE) Examinations

Class of 2018

Aggregate 91.0%

Aggregate 93.5%

EXPERIENCE

ASIC Design Engineer, Infinera Corporation, CA

- Developed pythonic infrastructure for interrupt service routine (ISR) implementation.
- Automated the generation of test cases.

Jan 2021– Apr 2021

40+ hours/week

Logistics Analyst, Infinera Corporation, CA

- Enhanced the library evaluation script to handle single port memory cells.
- Optimized, tested and debugged post route health check and hierarchy analyzer tools.
- Developed a LALR (1) parser and solver using pypeg2 and Google OR Tools for evaluating SystemVerilog style constraints.

May 2020 – Aug 2020

40+ hours/week

Teaching Assistant, College of Engineering and Applied Science, University of Cincinnati, OH

- Assisted students with assignments and in-class activities, proctoring and grading exams.
- Tutored students in freshman level courses including engineering design, calculus, physics and chemistry.

Jan 2020 – Apr 2020

8 - 20 hours/week

ASIC Design Engineer, Infinera Corporation, CA

- Improved the data analytics tool for analyzing ASIC libraries.
- Developed the python environment for chip validation.
- Helped develop top level software infrastructure for functional testing of the chip.
- Worked on python register access infrastructure and test case automation.

Aug 2019 – Dec 2019

40+ hours/week

IT Consultant, Lindner College of Business, University of Cincinnati, OH

- Provided level 1 user service desk support.
- Provided assistance with email set-up and configuration, video conferencing and streaming.
- Virus/spyware removal, software installation, wireless configuration, and troubleshooting.

May 2019 – Aug 2019

32-40 hours/week

Head of IT and Design, La Martiniere Girls' College Model United Nations Club, India

- Designed, coded and maintained the official website, edited official trailers and promotional videos.
- Supervised a team of students in designing official written and digital media for LMGMUN 2018.
- Was promoted from the position Head of Graphics Design in April 2018.

Apr 2018 – Jun 2018

15 hours/week

AVAILABLE FOR CO-OP IN FALL 2021/SPRING 2022