Aditi Lohtia

Computer Engineering | 4th Year Student

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EXPERIENCE

Software Developer Intern   May - Aug 2021
Bell
- Worked with the MMS team in the Network Department at Bell Mobility
- Utilized Java, Kubernetes, Docker, GCP, and Git to modernize the current MMS system
- Worked on several components to meet newest guidelines, including services to validate, filter, and create new messages
- Collaborated with the Scrum Master to organize Sprints, Retrospectives, and daily team standups

Computer Science Instructional Support Assistant   Jan - April 2020,
University of Waterloo   Sept - Dec 2020
- Worked as Teaching Assistant for CS 200 and CS 115
- Achieved advanced skills in Racket, FileMaker, SQL, HTML, CSS, Gimp and Microsoft Office through assisting students with assignments
- Marked assignments weekly and provided constructive feedback
- Served as a point of contact for students through email, office hours, and labs

System Support Officer   May - Aug 2019
Ontario Ministry of the Attorney General
- Provided hardware and software support for approximately 400 employees
- Utilized SQL to review existing code, find defects, and enhance functionality
- Achieved advanced skills in Office 365 installation & troubleshooting
- Constantly resolved IT problems with problem-solving and communication

PROJECTS

Python Projects
- Currently working on several different small projects in Python (bit.ly/3nZLdoR)
- Created a URL shortener utilizing Bitly's API.
- Effectively built an MP3 Player using pygame and Tkinter libraries.

Solar Tracker
- Worked in a team of four to create a simple, effective, low-cost solar tracker to provide sustainable and affordable solar charging for mobile devices.
- Utilized an Arduino, Tetrix mechatronics kit, photodiodes, and flashlights to create a solar tracker which follows a light source.
- Design consisted of circuitry and code, along with a hand-built platform for the solar panel

Personal Website
- Created a personal website using Github.
- Utilized JavaScript, HTML, and CSS to effectively design website

SKILLS

Programming Languages:
C++, C, Java, SQL, HTML, CSS, Scheme (Racket)

Tools and Technologies:
Docker, Windows, Unix/Linux, Git, Kubernetes, AWS, GCP, Prometheus, Grafana

EDUCATION

Candidate for Bachelor's of Applied Science, **Computer Engineering**

Option in Management Sciences
University of Waterloo

Relevant Coursework:
- Algorithms and Data Structures
- Digital Computers
- Systems Concurrency
- Operating Systems

ACTIVITIES

- University of Waterloo WiSTEM
  - Social Media and Events Coordinator
- UW Entrepreneurship Society
  - VP Marketing
- UW Engineering Ambassadors
  - Computer Engineering Ambassador
- UW Women in Engineering
  - Volunteer