Tanmay Suba

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EXPERIENCE

Computer Specialist, UIC, Chicago, IL   October 2021 – Present
UIC Library of Health Sciences
• Install and troubleshoot software related questions for faculty and staff.
• Make recommendations for spare parts and repair personal computer hardware.

Teaching Assistant, UIC, Chicago, IL   May 2020 – May 2021
Programming for Engineers with MATLAB
• Conduct lab sessions coordinated with TAs to administer course activities.
• Assisted students during lectures with course content, programming, debugging, and held office hours.

Residence Hall Association, UIC, Chicago, IL   September 2019 – May 2020
RHA Representative
• Served as a liaison RHA and General Body with information on RHA programs, training, and important announcements.
• Enhanced community experience in residential areas through events, student advocacy, and leadership development.

PROJECTS/COURSEWORK

UN World Data Analysis
• Applied data handling and sorting methods to collect data from UN world population data.
• Program reads data from a flat file then filters in-memory representation of data as per validation rules

Vigenère ciphers
• Program to encrypt/decrypt text by shifting letters using a key selected from a dictionary of words.
• Searching and sorting algorithms used to brute force vigenère ciphers.

Pentago Game
• Game designed based off object-oriented paradigm, implemented using linked lists in C++.
• Allows 2 players to strategize on a 6x6 board with rotating quadrants to win by marking 5 consecutive spots, multilevel redo/undo.
• Searching and sorting algorithms used to brute force vigenère ciphers.

Arduino Robot | *ENGR 101*
• Assemble and push code to an Arduino kit to build robot that navigates using echolocation.

EDUCATION

University of Illinois at Chicago (UIC)   Expected May 2023
Bachelor of Science in Computer Science
Related Coursework: Mathematical Foundations of Computing, Program Design I & II

PROFESSIONAL AFFILIATIONS & INTERESTS

ISACA Student Chapter Member, Chicago, IL   June 2020 – Present
• Gained insight in the areas of information security, information assurance, IT risk management,
  IT audit, IT compliance, and information systems by attending events and learning about the industry.

FBI Citizens Academy for Students, UIC, Chicago, IL   August 2019 – May 2020
• Networked and participated in presentations of members of the FBI and other related agencies.
• Attended seminars and case studies to increase exposure to current and developing elements within the field.

Linux Users Group, UIC, Chicago, IL   August 2019 – Present
• Interacted with other computer science students, alumni, and professionals to better understand the
  current state of affairs in the computer science industry
• Attended informational and training sessions to gain knowledge and learn to use new software and operating systems effectively.

SKILLS

Proficient: C++, Python, MATLAB, C
Familiar: Java, HTML, CSS, Git

HOBBIES & INTERESTS

Livestreaming / Broadcasting, Esports, Gaming, Ice Skating, Jogging