

SELAM VAN VOORHIS

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EDUCATION

Centre College Danville, KY
Bachelor of Science in Computer Science May 2022

- Posse Leadership scholarship Recipient
- Girls Inc. National Scholarship Recipient
- Relevant coursework: Data Structures, Programming and Problem Solving, Systems Programming, Database Programming, Design & Analysis of Alg., Computer Networks, Discrete Mathematics, Software Design

EXPERIENCE

Centre College Danville, KY
Bioinformatics Intern May 2021– July 2021

- Built a program to run protein compounds through AutoCad Vina software to find a protein that can bind itself to the Covid-19 protein enzyme.
- Built a GUI to take in microbiome analysis data and create a heatmap based on percentage occurrence using Python, Tkinter, seaborn and other libraries and extensions of Numpy

Centre College Danville, KY
Assistant Digital Archivist Nov. 2019 – Feb. 2022

- Create html form to take metadata content and output information in XML PREMIS format
- Use BeautifulSoup Python Library to extract desired data from given URL and Automate a way to scrape archived articles from WayBack Machine, exported results as tables.
- Create metadata using Dublin Core standards including using Library of Congress authority files

LEADERSHIP & Clubs

Centre Black STEM Coalition Sept. 2021 – May 2022

- PR Officer managing social media Instagram account
- Secretary role managing the calendar of events and transcribing the meetings

Participant in Eureka! May 2013-May 2018

- A five year-round girls' leadership and STEM program fostering educational, professional and personal development.

SKILLS

Web Scraping: Beautiful Soup and Selenium
Languages/Scripts: Python, JavaScript, Java, C, CSS, HTML, XML, PHP, SQL
Applications/Libraries: AutoCAD Vina, Tkinter, Javafx, Git, Linux,