

Paulina Conder

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Projects

mailMate Mail Notification Device

- Created a device with Arduino IDE, C++, that would detect students' mail in college post office
- Used ESP8266 Wi-Fi microchip and Parallax PIR motion sensor components
- Connected device to Webhooks API to set up automated email alerts
- Designed and 3D printed enclosure for device using TinkerCAD

Chinese Zodiac Generator

- Designed an app, via tkinter in Python, which allows a user to enter their date of birth and subsequently produces an image and short message associated with the user's Chinese Zodiac animal
- Created a test suite to incrementally perform unit tests during and after construction

Virtual Pets

- Created a virtual simulation, via C++, which allows a user to adopt and interact with a pet dog
 - Analyzed order of magnitude to evaluate code efficiency
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Skills

- Languages: Python, C++, SQL, SPL, XML, HTML, CSS
 - Developer Tools: Git/Github, Visual Studio Code, Linux
 - Software/Hardware: Microsoft Office, Splunk, Arduino, Raspberry Pi, TinkerCAD, Webhooks
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Experience

Nationwide, Columbus, OH

May 2023 – August 2023

Technology Intern

- Created automated alerts to monitor servers, errors, and anomalies for various data platforms
- Wrote queries with Splunk SPL to fetch, curate, and analyze data
- Designed dashboards using XML with interactive data visualizations

Hutchins Library, Berea, KY

September 2021 - present

Acquisitions and Reference Assistant

- Assist patrons by troubleshooting technical issues and identifying resources for research projects
- Maintain digital records of fulfilled requests to analyze patron satisfaction, frequency of use, and employee performance
- Process 5,000+ borrowing and lending requests per year on OCLC for inter-library loan services

Berea Chinese Language and Culture Club, Berea, KY

April 2022 - present

Vice President and Co-Treasurer

- Planned, coordinated, and ran school-wide and club-specific events, ranging from 15 to 100+ participants
 - Managed the club's budget and allocated funds for larger events
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Education

Berea College, Berea, Kentucky

Graduation Date: May 2024

Bachelor of Arts, Computer and Information Science

GPA: 3.93

Minor, Asian Studies

Coursework: Data Structures and Algorithms, Software Design and Implementation, Open Source Software Engineering, Database Systems, Embedded Systems, Computer Animation, Discrete Mathematics, Electricity and Electronics, Statistics and Research Methods, Theory of Computation

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