Christina Lino

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Education

Rensselaer Polytechnic Institute | Troy, NY Aug. 2018 – May 2022
B.S. Cognitive Science, Minor Computer Science

Technical Skills

Documentation Tools: Swagger, Javadoc, Doxygen, Read the Docs, Google Suite, Microsoft Office
Languages: Python, Typescript/Javascript, HTML/CSS, C/C++, R, Matlab, Arduino
Developer Tools: Git, VS Code, Eclipse, GDB, Simulink

Relevant Coursework

Computer Science: Introduction to Algorithms, Open Source Software, Software Design and Documentation, Social Computing, Principles of Software, Rensselaer Center for Open Source

Experience

Intern, National Center for Adaptive Neurotechnologies | *Python, C/C++* Sep. 2020 – Dec. 2020
- Developed black box unit testing framework for DataFlow, an inter-process communication library
- Assisted supervisor with appropriate software design of internal command structure
- Learned about operating systems and file systems through hands-on experience

Research Assistant, Relyea Lab | *R* Jan. 2020 – May 2020
- Processed dataset of physical, chemical, and biological measurements in Adirondack lakes with tidyverse
- Used ggplot to analyze the effects of climate change on lakes recovering from acidification
- Modeled data with generalized additive models

Research Assistant, Adaptive Computational Cognition Lab | *Python* Nov. 2018 – Dec. 2019
- Wrote script to read data from Arduino microprocessor and communicate with testing software
- Developed visual working memory test in Python to analyze learning capacity of participants
- Assembled and maintained 3D motion capture technology

Projects

Microshark | *JavaScript, HTML, Python* Sep. 2021 - Present
- Web application that scans items and identifies the presence of microplastics
- Managed communication across team and planned quarterly progress reports
- Created project documentation and strategy plans

Buoy | *Python, Matlab* Jan. 2020 – Present
- Plugin for EEGLAB signal processing environment that detects sleep-dependent brain waves
- Communicated progress and roadblocks to teaching faculty through GitHub Discussions
- Presented on use cases and workflows throughout the semester

Leadership

Treasurer for Association for Computing Machinery-Women (ACM-W), RPI Jan. 2020 – Dec. 2020
- Managed chapter finances, including handling donations, budgets, and reimbursements
- Worked with other executive board members to organize events for chapter members and the RPI community
- Collaborated with other CS club officers to develop and present informative workshops