Nathaniel Nichols

Python Programmer

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SKILLS

Semi-proficient in Python and C++, with additional experience in Javascript, HTML, and CSS. Familiar with many common data-related Python libraries, including Numpy, Pandas, SciKit, MatPlotLib, and Seaborn. Experienced with VSCode and GitHub, including the coordination of commits with team members on GitHub. Able to learn new technologies quickly. Skilled at clear and concise oral and written communication, with experience in a variety of writing settings.

WORK EXPERIENCE

URI Academic Enhancement Center, Kingston RI - *STEM Tutor*
JANUARY 2022 - DECEMBER 2023

- Provided academic counseling and support to students studying precalculus, calculus, and math tools for computing.
- Guided students through practice problems and explained mathematical concepts in alternate ways to aid understanding.
- Provided encouragement and study tips for students struggling to prepare for exams.
- Also occasionally required to provide technical support for Zoom and WeBWorK and other technology tools used for classes.

Klett World Languages, Chicago IL / URI German Department, Kingston RI - *Python Developer*
MARCH 2023 - MAY 2023

- Was hired by Professor Niko Tracksdorf to work on a team to develop a data-scraping tool for the next edition of Klett World Languages' German textbooks.
- Researched several Python libraries for data analysis, natural language processing, and interaction between Word and Excel files. These included Spacy, Pandas, and XLSXWriter.
- Used GitHub to efficiently coordinate changes to the script from different team members.

- Responded quickly to updates and changes in the needs of the client, as well as any bugs found.

Metropolis of Boston Camp, Contoocook NH - *Cabin Counselor*

FEBRUARY 2021 - JULY 2023

- Worked on teams with other cabin staff to foster a positive social environment, engage campers, provide instruction and support.
- Successfully de-escalated conflicts between campers in order to improve the experience for all campers involved and keep the program running efficiently.
- Required to fill out incident reports and notice of concern forms in exceptional situations to provide a detailed and objective account of the issue at hand.

Rhode Island Children's Chorus, East Providence RI - *Bass Section Leader*

SEPTEMBER 2021 - DECEMBER 2023

- Served as a musical leader and role model for children in high school.
- Duties included seating organization, fast learning and modeling of material, electronic communication, and fostering a positive environment for chorus members.

EDUCATION

University of Rhode Island, Kingston RI - *Computer Science B.A., Philosophy B.A., German B.A., Art Studio B.A.*

JUNE 2020 - Graduating MAY 2026

Current GPA: 3.93

AWARDS

- Frank L. Woods Memorial Scholarship (December 2023)
- Phi Beta Kappa - National Honor Society Membership (May 2023)
- Charles C. Condes Memorial Scholarship (June 2023)
- Dr. Barbara Woods Scholarship (December 2022)
- Phi Sigma Tau - National Philosophy Honors Society Membership (May 2022)