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| |  | | --- | | Alexandra Buczek  PhD Candidate | | *Enthusiastic data scientist, skilled in research and communication. As a PhD Candidate, utilized both Python and R to organize and clean data, run statistical analyses, and visualize results. Experienced in academic research and communication to both academic and general audiences*    **Work History**       |  |  |  | | --- | --- | --- | | **2016-09 - Current** |  | PhD Candidate  *American Museum Of Natural History, New York, NY*   * Cleaned and organized data using Python pandas and numpy * Utilized ordination and statistical analyses in R and Python * Visualized data and results using R ggplot2 and Python matplotlib and seaborn * Employed Jupyter Notebooks for enhanced accessibility and sharing of coding pipelines * Communicated methodology, results, and implications of research via public presentations and published academic papers |  |  |  |  | | --- | --- | --- | | **2018-09 - 2018-12** |  | Adjunct Professor  *Hunter College, New York, NY*   * Taught CSci 127 - Introduction to Computer Science lab section, providing instruction to up to 30 undergraduate students * Instructed students using discussions and demonstrations in Python and C++ |  |  |  |  | | --- | --- | --- | | **2018-07 - 2018-12** |  | Teacher and Content Expert  *AMNH Lang Science Program, New York, NY*   * Created lectures and planned learning activities to facilitate understanding of scientific method for up to 20 high school students * Evaluated and revised lesson plans and course content to facilitate and moderate classroom discussions and student centered learning * Enhanced student learning by optimizing wide range of instructional approaches and innovative classroom activities. * Implemented and encouraged debate-style classroom environment to increase student engagement and promote critical thinking |     **Education**       |  |  |  | | --- | --- | --- | | **2016-09 - Current** |  | **Ph.D.: Comparative Biology**  American Museum of Natural History - Richard Gilder Graduate School - New York, NY |  |  |  |  | | --- | --- | --- | | **2012-09 - 2016-05** |  | **Bachelor of Science: Geology-Biology**  Brown University - Providence, RI | |  |  | **Contact**      Address  New York, NY, 10011  Phone  (860) 986-3805  E-mail  buczeka94@gmail.com  LinkedIn https://www.linkedin.com/in/alexandra-buczek-4a27a  WWW https://ajbuczek.github.io/    **Skills**      Data Cleaning    Very Good  MS Office    Excellent  Organization    Excellent  Technical writing    Excellent  Data collection and analysis    Very Good  R    Good  Python    Very Good  Data visualizations    Very Good    **Languages**      Spanish    Polish |  |

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