# David A. Pogrebitskiy

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## EDUCATION

**NORTHEASTERN UNIVERSITY, Boston, MA**                                    Expected May 2024
*Candidate for Bachelor of Science in Data Science*
*Minor, Mathematics*

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|---|---|
| GPA: | **4.0/4.0** | Dean's List |
| Activities: | DATA Initiative | Disrupt Fintech Initiative | Data Club |

## WORK EXPERIENCE

**DATA INITIATIVE AT NORTHEASTERN UNIVERSITY, Boston, MA**                Jan 2022 – May 2022
*Data Analytics Consultant*
- Consulted with Hub App, a global event-planning app, serving as the project manager on a team of 4 students
- Utilized user action data to analyze user journeys to help uncover reasons behind user retention and attrition to improve overall business performance using Data Science methods like statistical analysis and visualization
- Presented findings and recommendations for app changes to the founders based on analytical evidence

**NORTHEASTERN UNIVERSITY, Boston, MA**                                   Jan 2022 – May 2022
*Undergraduate Teaching Assistant* – Programming with Data
- Hosted office hours outside of regular class to provide further Python programming support and clarification for students
- Supervised a weekly, full-length practicum where students applied material from lecture to real-world, business-oriented, scenarios

## PROJECTS

**Programming Language Predictor**                                        Mar 2022 – May 2022
- Tokenized and vectorized code snippets using Regex and TF-IDF to train a Multinomial Naïve Bayes Classifier and optimized parameters with GridSearchCV to predict the programming language of a user-inputted snippet.
- Developed an application to demo the NLP model using Python, Flask, HTML, and CSS and deployed it on Heroku

**EZ Itinerary – Database Project**                                       Feb 2022 – May 2022
- Modeled an EER diagram and the DDL statements for a 12-table relational database design in MySQL
- Developed 20+ stored procedures and other DML statements that are utilized by the local application
- Deployed an interface that interacts with the database using Python, Flask, HTML, and CSS

## TECHNICAL KNOWLEDGE

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|---|---|
| **Languages:** | Python (Scikit-learn, Pandas, NumPy, Flask) | MySQL | Java | HTML | CSS |
| **Tools:** | PyCharm | Anaconda | VSCode | Git | Tableau | MS Suite |

## RELEVANT COURSEWORK

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|---|---|
| **Mathematics:** | Linear Algebra | Multivariable Calculus | Differential Equations | Probability & Statistics | Discrete Structures |
| **Programming:** | Intermediate Programming with Data | Database Design | AP Computer Science A |

## INTERESTS

Skiing & Snowboarding  |  Weightlifting  |  Cycling  |  Fishing  |  Scuba Diving  |  Golf  |  Cycling