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| POrter Moody  7193385009  porterbmoody@gmail.com |
| Python/c++ developer, machine learning engineer. Highly motivated and ready to build robust, powerful tools/pipelines with clean code. |

# Experience

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| WIlford WOodruff text project  * Wrote text parsing and phrase matching algorithm using sklearn vectorizer and cosine similarity, pandas dataframes, classes, re regex, and linear algebraic dataset transformations * Implemented algorithm to find matching phrases in woodruffs 2 million word corpus vs bible/book of Mormon 1 million word corpus  Custom Solar panel api with cnn  * Next.js frontend, Django rest api backend, MySQL database. Deployed on Google Cloud’s App Engine * Wrote python object oriented applicated to pull rooftop image from google maps api and label with solar panels * Labeled images with panels and trained tensorflow cnn to detect if rooftop contains panels  Sept 2021 – sept 2022Python developer, CapGES (Startup)  * Wrote python data parsing pipeline to clean and format python hundreds of pandas dataframes of various formats, sklearn, numpy, AWS textract  Data analyst, Wolff Company (commercial real estate firm) phoenix  * Created various exploratory python visualizations and summaries to show real estate market trends * Wrote random forest python machine learning model to predict future national market growth trends |
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# Education

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| September 2023data science, Brigham Young University-Idaho |
| math minor, Brigham young university-idaho Linear algebra, multivariable calculus, statistics, linear regression |

# Skills

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| * Python, r, c++, SQL * React js, next js, Javascript, html, css | * Docker, AWS, Google Cloud Platform * Tensorflow, pandas, sklearn, altair, matplotlib, numpy, PIL, flask, |