GitHub.com/TheNathanielWatkins @theNathanielW LinkedIn.com/in/TheNathanielWatkins

```
In [1]: import Nathaniel_Watkins as the_right_choice                    ## 657.464.4005
        theNW = the_right_choice                                        ## theNathanielWatkins@gmail.com
```

Due to my enthusiasm for technology and seeing the wonderful ways it can help people, I'm driven to contribute and become a part of developing the future. Because of its ability to transform just about every industry and increase efficiencies dramatically, Data Science/Machine Learning Engineering is an exciting path for me to pursue.

I excelled in a career in Property Management and made the most of a bad situation after a financial setback forced me to stop studying Mechanical Engineering at UC Irvine prematurely. I used that opportunity to learn skills that would prove useful in any career, but now I've seized the moment to execute a transition into a challenging career in Artificial Intelligence.

```
In [2]: theNW.display('Experience')                                    ## Prints my Work Experience below
```

Student Mentor | Udacity Nov 17 - Present

Remote/Gig | Mentoring Students through the Introduction to Programming Nanodegree by:

- Perform code reviews of student projects with constructive feedback
- Send regular encouragement and check-ins to help students stay motivated
- Advise when students are feeling lost or don't know where to begin, and help students troubleshoot and/or debug any issues they're facing

Software Development Student & Home Renovations Project Manager | Self July 16 - Present

Seattle, WA | Took a career break to:

- Study Software Development fundamentals, then Statistics, Linear Algebra, Calculus; finally specializing in Machine Learning
- Perform major renovations on my home including restoring wood, removing walls, adding closets, and more
- Also, occasionally volunteer (e.g. Seattle Startup Week) or complete some contract IT work

Assistant Property Manager (Office Manager/Bookkeeper) | Essex Property Trust Mar 14 - July 16

Seattle, WA | Top West Coast Focused Real Estate Investment Trust:

- Managed up to 7 people, onsite and semi-remote
- Drove rent growth while maintaining minimal resident turnover and increasing customer satisfaction
- Fostered trust between disparate departments and improved many processes/procedures
- Consistently turned negative customer experiences into a net positive by listening, applying creative solutions, and ensuring that they felt served

Property Manager (Business Manager) | Western National Group May 09 - Feb 14

Orange County, CA | Premier property management company setting high standards to be a cut above:

- Developed a strong reputation for customer service and mentoring new hires
- Redirected the NOI trends from -5% to +2% budget variance, reduced annual turnover from 71% to 29%, receiving industry awards

```
In [3]: theNW.display('Education')                                     ## Prints my Education below
```

Machine Learning Engineer Nanodegree | Udacity Jan 18 - Sept 18

Mastered Model Evaluation/Validation, Supervised Learning, Deep Learning, Unsupervised Learning, and Reinforcement Learning through hands-on projects

Machine Learning with Tensorflow on Google Cloud Platform | Coursera July 18 - Aug 18

5 course specialization by Google Cloud on how Google creates scalable and deployable Machine Learning models

```
In [4]: skill_list = theNW.skills()                                    ## Prints my programming language and toolkit Skills below based on level
        print("Comfortable with: {}".format(skill_list.comfortable()))
        print("Familiar with: {}".format(skill_list.familiar()))

        Comfortable with: ['Python', 'Jupyter Notebooks', 'TensorFlow', 'Keras', 'scikit-learn', 'Anaconda', 'HTML & CSS']
        Familiar with: ['Git', 'JSON', 'SQL', 'C#', 'Javascript']
```

```
In [5]: theNW.display('Projects')                                      ## Prints some of my Projects below
```

NYC Taxi Fare Prediction - Capstone Project and Kaggle Competition | Udacity Sept 18

- Created a production-ready Wide and Deep TensorFlow regressor deployed in Google Cloud ML Engine and trained on a massive dataset
- Placed within top third on leaderboard with 3.26 RMSE (less than 2 points away from the top score)

Reinforcement Learning Quadcopter | Udacity July 18

- Trained a quadcopter simulation to fly using a Deep Deterministic Policy Gradients (DDPG) Actor/Critic model

Dog Breed Classifier | Udacity Apr 18

- Given an image of a dog, my CNN identifies an estimate of the breed, but if provided a non-dog image, the code identifies a resembling dog breed

Recycle Bits | Hackathon Feb 18

- Earned 2nd place using Computer Vision to classify trash into distinct categories of Recyclable, Compostable or Refuse
- First implemented as a responsive web app for consumers, with a leaderboard system to encourage green behavior
- Also envisioned a business plan to create smart trash cans and automated industrial trash sorting