

```
In [1]: import Nathaniel_Watkins as the_right_choice
theNW = the_right_choice
```

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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 leave UC Irvine prematurely. I used that opportunity to learn skills and develop habits 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]: for job, description in theNW.display('Experience').items():
        print(job, description)
```

## Prints my Work Experience below

```
Student Mentor | Udacity Nov 17 - Present
Mentoring Students through the Introduction to Programming Nanodegree by:
  * Perform code reviews of student projects
  * Send regular encouragement and check-ins to help students stay motivated
  * Be available to answer questions at all hours, day or night
  * Provide advice when students are feeling lost or don't know where to begin
  * Help students troubleshoot and/or debug any issues they're running into
Software Development Student & Home Renovations Project Manager | Self July 16 - Present
Took a career break to:
  * Study Software Development fundamentals, then specializing in Machine Learning
  * Perform major renovations on my home including restoring wood, electrical, flooring, removing walls, adding closets, and more
  * Also, occasionally volunteer or complete some contract work
Assistant Property Manager (Office Manager/Bookkeeper) | Essex Property Trust Mar 14 - July 16
#1 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 satisfaction
  * Improved many processes/procedures and resolved decades-old discrepancies in the books
  * Fostered trust between disparate departments through shared goals and open communication
  * Consistently turned negative customer experiences into an ultimate positive by listening,
    applying creative solutions and going the extra mile to ensure that they felt cared for and served
Property Manager (Business Manager) | Western National Group May 09 - Feb 14
Premier property management company setting high standards to be a cut above:
  * Developed a strong customer service reputation
  * Juggled facilities management and hands-on maintenance duties under a single-role schedule
  * Redirected the NOI trends from -5% to +2% budget variance
  * Reduced annual turnover from 71% to 29%, receiving industry awards for these accomplishments
```

```
In [3]: for school, description in theNW.display('Education').items():
        print(school, description)
```

## Prints my Education below

```
Machine Learning Engineer Nanodegree | Udacity Jan 18 - Current (anticipated graduation: June 18)
  * Mastering Model Evaluation/Validation, Supervised Learning, Deep Learning, Unsupervised Learning, Reinforcement Learning
  * Building effective ML models and learning to solve real-world problems across a wide array of fields
Introduction to Programming Nanodegree | Udacity Sept 16 - Jan 17
  * Started with learning web technologies then built a strong foundation for serious programming in Python
  * Specialized in Data Analysis due to its relation to Machine Learning
  * Further prepared for Machine Learning by taking courses in Linear Algebra, Statistics, and other related subjects
Mechanical Engineering | University of California, Irvine Fall 06 - Fall 07
  * 46 Units towards a Bachelor's of Science in Mechanical Engineering
```

```
In [4]: skill_list = theNW.skills()
print("Comfortable with: {}".format(skill_list.comfortable()))
print("Familiar with: {}".format(skill_list.familiar()))
```

## Prints my programming language and toolkit Skills below based on level

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

```
In [5]: for project, description in theNW.display('Projects').items():
        print(project, description)
```

## Prints some of my Projects below

```
Creating Customer Segments | Udacity Apr 18
  * Used unsupervised learning techniques to see if any similarities exist between a wholesale distributor's customers,
    and how to best segment customers into distinct categories
Dog Breed Classifier | Udacity Apr 18
  * Given an image of a dog, my algorithm identifies an estimate of the canine's breed,
    but if supplied with an image of a human, the code identifies the 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 that tell people which bin to put their trash into,
    and industrial applications to create automated sorting for trash companies
```