ANNE EN-TZU YANG

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EXPERIENCE

- **Data Science Fellow**, Insight Data Science *(Minneapolis, MN)*   *2019/09 - 2019/10*
  - Predicted the air quality inside Paris metro stations to help passengers manage health risks.
  - Utilized PROPHET and ARIMA for time series analysis resulting in X% forecast accuracy.
  - Identified predictors for R = XX correlation in TensorFlow's neural network regression.

- **Postdoc**, Institute for Intelligent Systems and Robotics *(Paris, France)*   *2018/09 - 2019/08*
  - Improved the tracking of surgical tools in 3D from conventional 2D medical images.
  - Employed convolutional neural network to reconstruct 3D shapes and orientations (errors $< 1°$).

- **PhD Intern**, Sanofi *(Bridgewater, NJ)*   *2017/06 - 2017/08*
  description of the experience - what
  - why
  - how well

- **PhD Candidate**, Northwestern University *(Evanston, IL)*   *2012/09 - 2018/08*
  - what
  - why
  - how well

SKILLS

- **Languages**, Python, SQL, Matlab, LaTeX

- **Packages**, Pandas, Flask, Numpy, Scipy, TensorFlow, PostgreSQL

- **Tools**, Git, Jupyter Notebook, Linux

- **Knowledge**, computer vision, analysis, machine learning, statistics, communications, mathematics, visualization, deep learning, natural language processing, software development, neural network, convolutional neural network

EDUCATION

- **Northwestern University** *(Evanston, IL)*   *2012/09 - 2018/08*
  PhD, Mechanical Engineering

- **Kellogg School of Management** *(Evanston, IL)*   *2012/09 - 2018/08*
  PhD, Mechanical Engineering

- **National Taiwan University** *(Taipei Taiwan)*   *2008/09 - 2012/06*
  BS, Mechanical Engineering