

# Tung T. Phung

## Data Scientist

Washington, DC - Authorized to work in U.S. for any employer

☎ (571) 423-9086 | ✉ [tunqtphung@gmail.com](mailto:tunqtphung@gmail.com) | 🏠 [TungPhung.github.io](https://TungPhung.github.io) | 💻 [TungPhung](#) | 📺 [Tung](#)

*I am a data scientist and lifelong Eagle Scout always looking forward to the next challenge. Today, that challenge is to explore the small details of big data and lead the way by building models that are accurate, fair, ethical, and have a positive impact.*

## Skills

---

### DATA ANALYSIS PACKAGES

- **Programming** - Python, Scala, Java, SQL, Jupyter Notebook, Databricks
- **Version Control** - Git, Github
- **Libraries** - Pandas, Numpy, Scikit-Learn, StatsModels, NLTK, Word2Vec, XGBoost, Keras, Tensorflow
- **Modeling** - Machine Learning, Natural Language Processing, Neural Networks
- **Visualization** - Matplotlib, Seaborn, Bokeh, Tableau
- **Additional Services** - Flask, Docker, EC2, S3

## Experience

---

### Data Science Immersive Program

Washington, DC

#### GENERAL ASSEMBLY

Feb 2019 - May 2019

- Applied data analysis and data visualization skills in a 500-hour immersive course
- Completed 35 labs and 5 projects, leveraging data science best practices to solve real-world problems, using coding (Python, NumPy, SciPy, Pandas, SciKit-Learn, Git, SQL) and data visualization (Matplotlib, Tableau, Bokeh)
- **Estimating Home Prices:** Built regression methods to predict prices of homes previously sold in Ames, Iowa and competed in internal Kaggle Competition
- **Reddit NLP Analysis:** Utilized Natural Language Processing (Naive Bayes, Random Forests, XGBoost) to distinguish the origin of a post given a model trained from two subreddits
- **Static Malware Detection:** Deconstructed malware binaries and constructed pipeline to a convolutional neural network for automated malware threat detection
- **General Assembly Hackathon:** Teamed up with four other full-stack developers and UX designers to assemble a prototype product to help small-scale contractors assess government RFP's more efficiently. Finished 1st Place

### Operations Manager and Technology Officer

Falls Church, VA

#### HEALTHY SMILES DENTAL

Jun 2009 - Nov 2017

- Led the interviewing, hiring and training/onboarding of 50+ employees growing the dental practice from 6 to 30 employees
- Created and deployed policies to increase efficiency of operations workflow - including checklists and SOP manuals
- Designed and maintained policies regarding OSHA, HIPAA, PCI Compliance standards
- Evaluated and purchased in conjunction with office Finance Officer \$50K in IT solutions including computer server systems, HIPAA-compliant cloud solutions, and physical firewall/router

## Education

---

### General Assembly

Washington, DC

#### DATA SCIENCE IMMERSIVE PROGRAM

Feb 2019 - May 2019

### George Mason University, School of Systems Biology

Fairfax, VA

#### COMPLETED GRADUATE-LEVEL COURSEWORK IN BIOINFORMATICS AND COMPUTATIONAL BIOLOGY

Jan 2011 - Dec 2013

### University of Virginia, School of Engineering and Applied Science

Charlottesville, VA

#### B.S. IN CHEMICAL ENGINEERING

Aug 2005 - May 2009