# LARRY R PRICE, PhD

### **EXPERIENCE**

## OpenX, Senior Data Scientist Pasadena, CA (2015-Present)

- Design, prototype, and deploy a variety of machine-learning models to support OpenX's programmatic advertising marketplace
- Produce analyses and visualizations to solve business problems and provide new insights

# Caltech, Senior Postdoctoral Scholar - LIGO Pasadena, CA (2010-2015)

- · Contributed to the first direct detection of gravitational waves
- · Led a working group of about 13 participants in a large scientific collaboration
- Organized and managed a large scale data science project involving 16 geographically dispersed researchers, resulting in several publications

# University of Wisconsin-Milwaukee, Research Associate Milwaukee, WI (2007-2010)

- Pioneered advanced statistical methods in the search for gravitational waves
- Developed early universe simulation that performed 10x fast than the state-of-the-art

## **SKILLS**

#### **Technical**

- Python, SQL, C/C++, Java, Hadoop (MapReduce, Hive), D3.js, TeX/LaTeX
- Bayesian and frequentist methods for Regression, Classification, and Clustering
- Neural Networks/Deep Learning, Trees, Bandits
- Principal Component Analysis, A/B testing, Time Series, Feature Engineering
- Unix, Linux
- Aptitude for quickly grasping new concepts in unfamiliar fields

# Leadership

- Demonstrated ability to manage a diverse team at different career levels
- Oversee multiple projects and meet deadlines

#### Communication

- Excellent written and public speaking skills evidenced by publications and invited talks at international conferences
- Ability to present complex ideas in a clear and concise manner to a wide range of audiences across engineering, business and product

# **AWARDS**

Breakthrough Prize (2016), For the first direct detection of gravitational waves

Gruber Prize in Cosmology (2016), For the first direct detection of gravitational waves

## **EDUCATION**

University of Florida Gainesville, FL (2002-2007), PhD, Physics

Reed College Portland, OR (1997-2001), BA, Physics