LARRY R PRICE

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SKILLS

Technical

- Python, Perl, C/C++, Mathematica, Maple, Matlab, Familiarity with SQL, ability to learn new languages
- Computational modeling, Probability, Statistics, Advanced Mathematics, Digital Signal Processing, Familiarity with Machine Learning
- Unix, Linux

Data Analysis & Problem Solving

- Frequentist and Bayesian methods
- Ability to derive actionable insights from analysis
- Analysis and synthesis of complex data
- Aptitude for quickly grasping new concepts in unfamiliar fields

Leadership

- Demonstrated ability to manage a diverse team at various career levels
- Oversee multiple projects and meet deadlines
- Provide direction to junior colleagues
- Strong interpersonal and conflict resolution skills

Communication

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

EDUCATION

University of Florida *Gainesville, FL* (2002–2007), Ph.D., Physics

Reed College *Portland, OR* (1997–2001), B.A., Physics

EXPERIENCE

Caltech, Senior Postdoctoral Scholar *Pasadena, CA* (2010–Present)

- Developed software for optimizing astronomical observations
- Led a working group of 12-15 participants in a large scientific collaboration
- Organized and managed large scale data science project involving 16 geographically dispersed researchers, resulting in several publications
- Mentored graduate and undergraduate students on a wide variety of projects

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

- Created low-latency software tools to enable new types of astronomical observations
- Pioneered advanced statistical methods in the search for gravitational waves in pulsar timing data
- Developed cosmological simulation software that performed more than 10x fast than the state-of-the-art
- Applied a computer algebra package developed as a Ph.D. student to problems in black hole physics

Schrödinger Inc., Quality Assurance Scientist *Portland, OR* (2001–2002)

- Tested and validated a drug discovery software suite
- Launched a study comparing computed vs. measured binding affinities for HIV and Alzheimer's drugs

CV (including a list of publications) and references available upon request