Patrick Crutcher

Address

8208 Math Science Bldg,	Phone:	310 903 0542
Los Angeles, CA,	Home Page:	http://www.stat.ucla.edu/~pcrutcher/
90095-1554, USA	Email:	pcrutcher@stat.ucla.edu

Objective:

Seeking a position with a focus on statistical analysis and programming that utilizes my background and skills for a broad range of problems.

Education

09/2008–Present Ph.D. candidate in Statistics, University of California-Los Angeles, Statistics Dept. **GPA: 3.758/4.0**

- Research Interests: Singular Spectrum Analysis of time series
- Skills Summary: Expertise in time-series analysis, matrix decomposition, non-linear estimation and statistical computing

09/2008–06/2010 M.S. Statistics, University of California-Los Angeles.

08/2003–05/2008 B.S. in Mathematics from the University of Illinois at Urbana-Champaign. Concentration in Applied Math and Statistics. **Major GPA: 3.86/4.0, GPA: 3.25/4.0**

Computing Skills

Strong programming skills in R/S+; Intermediate experience with MATLAB, SAS, and Python; Familiar with C/C++, and SQL

Working Experience

07/2010–current **Freelance writer at BioMedReports.com, Los Angeles, CA**
- Biotechnology equity research, extensive knowledge of biotech sector

03/2009–current **Teaching Assistant at UCLA, Los Angeles, CA**
- Responsibilities include class and lab instruction, grading, etc.

10/2008–current **Consultant at SWAPE, Inc., Santa Monica, CA**
- Independent project work that has included data analysis, quality-control checks on analyses, research and data management. Communication with principal partner, project staff are key to timely project completion. Requires use of SAS, R, MS Office.

06/2009–10/2009 **Research Asst - Center for Embedded Network Sensing, Los Angeles, CA**
- Developed and prototyped a mapping-system for use with the *Whats Invasive* Campaign. Extensive Python and UNIX programming, LAMP install/setup, and Django.

05/2008–08/2008 **IT Applications Intern at Magnetar Capital LLC, Evanston, IL**
- Responsible for database retrieval and migration for trading data. Coding done in C++. Developed SQL and R scripts for trade slippage analysis.

05/2007–8/2007 **Research Asst. at Worcester Polytechnic University, Worcester, MA**
- Conducted financial research sponsored by **State Street Global Advisors**. Extensive programming in **R**, manipulation of large-data sets, and portfolio optimization.

References

Available upon request