PAUL TEEHAN
Data Scientist

Personal projects: http://pltn.ca
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Skills

★★★ R. Data wrangling, analysis, visualisation. Communication and presentation.

★★ Python, git, bash. Time series analysis, signal processing. Classification and clustering, linear regression, stastistical modeling, machine learning. Software engineering and architecture. Relational databases.

★ Spark, SQL, Java, C/C++, Matlab, JavaScript, PHP, aws S3, noSQL databases.

Employment (selected)

Data Scientist, EnerNOC, Vancouver. 2013—present (2.5 years).
- End-to-end design, delivery, production deployment of a machine-learning anomaly detector.
- Querying, wrangling, analysis, visualisation using R for time-series energy meter data.
- Built an internal platform and toolset in R for data fetch and execution of analytics.
- Managed a key energy utility customer relationship, including bespoke analytics development.
- Managed operations, engineering, and software architecture for the data science team.
- Assisted in interviewing and hiring; covered management tasks during team lead's absences.

Technologist, BBC Research and Development, London. 2011 (7 months).
- Bridged many departments to build a BBC-wide process for understanding IT energy impacts.
- Full-stack development of a web-based sustainability analysis tool.

Hardware Engineer (student), Sun Microsystems Labs, Menlo Park CA. 2004 (12 months).
- Designed and simulated experimental CPU components and printed circuit boards.

Software Developer (student), Honeywell Aerospace, Toronto. 2002—2003 (8 months).
- Managed cross-team internal software deployment: IT integration, issue tracking, training.
- Developed internal software applications and scripts to automate business processes.

Education

2014: PhD, Resource Management and Environmental Studies, University of British Columbia.
- Energy analysis, carbon footprint, environmental life cycle assessment of electronics and IT.

2008: MASc, Computer Engineering, University of British Columbia.
- Design, simulation, and analysis of high-speed digital communication circuits.

2006: BASc, Computer Engineering, University of Waterloo.
- Foundation of applied mathematics and physics, hardware, software, and computer science.

Other projects

- Data science applied to professional baseball: http://pltn.ca