CAMERON W. BARCLIFT
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Summary

I work in Data Analytics, and take advantage of my coding skills and existing software packages to draw information out of datasets. I'm always looking for new tools and techniques to pick up, and I enjoy figuring out how to apply those to the work I do. I'm looking for somewhere that I can apply the expertise I've accumulated and continue to discover new skills.

Experience

Risk Analyst, *Karen Clark and Company*, Boston MA, December 2014 – Present
- Conduct short term ad hoc and long term analyses
- Develop and maintain databases of insurance industry economic exposure
- Develop a framework for calculating damage rates to relate hazard intensity to property loss
- Prepare clear, informative visualizations for qualitative analyses and presentations
- Validate expert windstorm footprints using public and proprietary data
- Support our experts in developing and refining stochastic and characteristic models for Tropical Cyclone, Storm Surge, and Earthquake hazards
- Improve and expand existing algorithms to increase performance and maintainability
- Leverage a variety of software packages to support the above roles, including:
  C#/.Net, SQL Server, C++, CUDA/Parallel Computing, R Statistics Language, GIS (ESRI/ArcGIS, QGIS), Excel/VBA, Python

Engineering Intern, *Cook Environmental Services Inc.,* Walnut Creek CA, May 2013-August 2013
- Conducted field sampling, site assessment, site monitoring, and site investigations
- Prepared drafts of site closure reports including tables, figures, and relevant calculations
- Represented P.E. during well installations and soil boring collections
- Analyzed data from underground storage tanks (USTs) and fuel contamination sites

Advisor Intern, *Waddell & Reed, Inc.,* Norfolk VA, June 2011 – August 2011
- Designed a client information input tool using Visual Basic for Excel

Dockmaster's Assistant*, Norfolk Naval Sailing Center and Marina,* Norfolk VA, June 2009-August 2009

Skills

Coding Languages: C#/.NET, C++, CUDA, SQL Server, Java, Python, R Statistics Language, Visual Basic for Excel
Software: ESRI/ArcGIS, QGIS, AutoCAD, MATLAB, Microsoft Office Suite, Linux OS
Modeling: EPAnet 2.0, HEC-HMS
General: Data Analysis and Visualization, Data Validation, Catastrophe Modelling

Education

Tufts University, Medford, MA
      Bachelor of Science in Environmental Engineering, May 2014
Norfolk Collegiate School, Norfolk, VA, June 2010

Certificates and Awards

Engineer in Training Certification, Certificate Number 24419, June 2014
Boy Scouts of America, Eagle Scout Rank, Order of the Arrow