ERIC DANIEL FOURNIER *RESUMÉ*

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EDUCATION

Doctor of Philosophy | *UCSB, Bren School of Environmental Science & Management*
  • Dissertation: *The Energy-Water Efficiency of Water Reuse Via Artificial Groundwater Recharge*
  • Committee: Dr. Arturo A. Keller [Chair], Dr. Roland Geyer, Dr. James Frew
      2010 - 2015

Master of Arts | *UCSB, Geography Department*
  • Committee: Dr. James Frew [Chair], Dr. Keith Clarke, Dr. Phaedon Kyriakidis
      2013 - 2015

Master of Science | *Yale University, School of Forestry & Environmental Studies*
  • Masters Thesis: *Towards A New LEED® Certification Program for Sustainable Laboratory Design*
  • Committee: Dr. Paul T. Anastas [Chair], Dr. Julie B. Zimmerman
      2008 - 2010

Bachelor of Science | *Bucknell University, Environmental Science Department*
  • Honors Thesis: *A Comprehensive Assessment of Bucknell University's Campus Energy Profile*
  • Committee: Dr. Molly McGuire [Chair], Dr. Peter Stryker, Mr. James Knight
      2004 - 2008

WORK EXPERIENCE

Teaching Assistant | *20 hours/week, 8 months/year*
  • Graduate Level Courses in GIS, Landscape Ecology, & Biogeochemistry, Santa Barbara, CA
  • Graduate Level Courses in GIS & Remote Sensing, New Haven, CT
      2009 - 2013

Graduate Student Researcher | *15 hours/week, 8 months/year*
  • UCSB Earth Resource Institute, Santa Barbara, CA
  • Yale Center for Green Chemistry and Green Engineering, New Haven, CT
      2011 - 2013

Sustainable Laboratory Design Consultant | *40 hours/week, 3 months/year*
  • Perkins + Will Architecture and Design, Atlanta, GA
      2008 - 2009

Laboratory Assistant | *35 hours/week, 4 months/year*
  • Specialty Laboratories Inc. Esoteric Clinical Testing, Valencia, CA
      2005 - 2006

FELLOWSHIPS & AWARDS

UCSB | Walton Family Foundation Sustainable Water Markets Fellow, Toyota Motor Company Fellow
Yale University | Yale University School of Forestry & Environmental Studies Endowed Scholarship Recipient
Bucknell University | Phi Beta Kappa, Magna Cum Laude, Bucknell University Prize in Environmental Studies, President's Award for Distinguished Academic Achievement, McKenna Foundation Undergraduate Research Fellow

SKILLS

Environmental Quality Monitoring & Modeling, Genetic & Evolutionary Algorithms, Multivariate Statistical Inference & Machine Learning, Passive & Active Remote Sensing, Geographic Information Systems & Web Mapping, Cloud Based Scientific Computing, Ecosystem Service Valuation & Optimization, Spatially Explicit Life Cycle Assessment

LANGUAGES

Human | English [Native], French, Swahili, Spanish [Basic]
Machine | C, C++, Go, MATLAB, Python, R, Unix Shell, SQL [Advanced]
Web | HTML, CSS [Advanced] JavaScript, Adobe ActionScript [Intermediate]