ALISTAIR BAILEY

I am a researcher at the Centre for Proteomic Research and Cancer Sciences Unit at the University of Southampton. My research interests are in antigen processing and presentation by class I MHC molecules, data science and proteomics. The project I currently work on aims to improve immunotherapy treatment for cancer patients. I also contribute to research into the role of MHC molecules in skin sensitization to chemical allergens, and contagious cancer in the Tasmanian Devil. I am also a Data and Software Carpentry instructor.



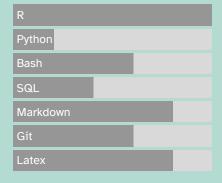


View this CV online with links at nickstrayer.me/datadrivencv/

CONTACT

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LANGUAGE SKILLS



Last updated on 2021-08-25.

Human Computer Interaction Researcher 2015 • University of Michigan LabInTheWild (Reineke Lab) 2015 • Led development and implementation of interactive data visualizations to help users compare themselves to other demographics. **Undergraduate Researcher** 2014 **Q** University of Vermont **Bentil Laboratory** 2013 • Developed mathematical model to predict the transport of sulfur through the environment with applications in waste cleanup. Research Fellow 2013 Our University of Vermont Adair Laboratory 2012 • Independently analyzed and constructed statistical models for large data sets pertaining to carbon decomposition rates. **INDUSTRY EXPERIENCE**

> Helping make programming web applications with R easier and more beautiful on the Shiny team

I have worked in a variety of roles ranging from journalist to software engineer to data scientist. I like collaborative environments where I can learn from my peers.

TEACHING EXPERIENCE

Javascript for Shiny Users

RStudio::conf 2020

Software Engineer

RStudio

Current

2020

2020

2017

2017

- Served as TA for two day workshop on how to leverage Javascript in Shiny applications
- Lectured on using R2D3 package to build interactive visualizations.¹

Statistical Computing in R
Vanderbilt Biostatistics Department

Nashville, TN

Remote

TA and lectured

- Covered introduction to R language for statistics applications
- Graduate level class

I am passionate about education. I believe that no topic is too complex if the teacher is empathetic and willing to think about new methods of approaching task.

■ SELECTED PUBLICATIONS, POSTERS, AND TALKS Continuous Classification using Deep Neural Networks² 2017 Vanderbilt Biostatistics Qualification Exam 2017 • Review of methods for classifying continuous data streams using neural networks • Successfully met qualifying examination standards Asymmetric Linkage Disequilibrium: Tools for Dissecting 2015 **Multiallelic LD** 2015 Journal of Human Immunology • Authored with Richard Single, Vanja Paunic, Mark Albrecht, and Martin Maiers. An Agent Based Model of Mysis Migration³ 2015 International Association of Great Lakes Research Conference 2015 • Authored with Brian O'Malley, Sture Hansson, and Jason Stockwell. **Declines of Mysis diluviana in the Great Lakes** 2015 Journal of Great Lakes Research 2015 Authored with Peter Euclide and Jason Stockwell.