

Jean Feng

Biographical Information

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Education

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| Ph.D. in Biostatistics , University of Washington, Seattle | 09/2015 – Present |
| Academic Advisor: Dr. Bruce Weir | |
| MS in Computer Science , Stanford University | 01/2012 – 09/2013 |
| Concentration: Artificial Intelligence | |
| BS in Computer Science , Stanford University | 09/2009 – 09/2013 |
| Concentration: Artificial Intelligence | |

Research Experience

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| Department of Biostatistics, University of Washington | |
| Research Assistant | 06/2015 – Present |
| Supervisor: Dr. Noah Simon | |
| Computational Biology, University of Washington | |
| Modeling somatic hypermutation of B-cell receptors | 12/2016 – Present |
| Supervisor: Dr. Erick Matsen, Dr. Vladimir Minin, and Dr. Noah Simon | |
| Tumor Vaccine Group, University of Washington | |
| Research Assistant | 09/2015 – Present |
| Supervisor: Dr. Nora Disis and Dr. Noah Simon | |
| Stanford Natural Language Processing Lab | |
| Recursive Neural Networks for Word Feature Learning | Sep 2011 |
| Supervisor: Dr. Andrew Ng and Dr. Richard Socher | |
| Stanford Artificial Intelligence Lab | |
| Mobile Computing Backpack for Pedestrian Detection via Convolutional Neural Networks | June 2011 |
| Supervisor: Dr. Andrew Ng and Dr. Morgan Quigley | |
| Local Whitening of Image Data | Dec 2010 |
| Supervisor: Dr. Andrew Ng and Dr. Quoc Le | |

Work Experience

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| Full-stack software developer, Coursera Inc. | Sep 2012–May 2015 |
| Software Programming Internship, Bloomreach Inc. | Summer 2012 |
| Software Programming Internship, Apple Inc. | Summer 2010 |
| Software Programming Internship, Palm Inc. | Summer 2009 |

Scholarships

Big Data for Genomics and Neuroscience Training Grant, Sep 2015

Publications

Feng, J. and Simon, N. (2017) “Gradient-based Regularization Parameter Selection for Problems with Non-smooth Penalty Functions” (*Under Review*)

Presentations

“Tuning Multiple Penalty Parameters”, University of Washington Biostatistics Annual Retreat, 2016.

“Haptic Belt with Pedestrian Detection”, Demonstration at Conference on Neural Information Processing Systems, 2011.

University Services

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| Department of Biostatistics, University of Washington | |
| Student-Faculty Committee | Sep 2016 – Present |

Skills

Programming Languages: Python, R, C++, Scala, Java, PHP, Javascript, CSS, HTML