

# Rahul Nadkarni

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PERSONAL INFORMATION	Email: rahulsnadkarni@gmail.com Website: <a href="https://rahuln.github.io">https://rahuln.github.io</a>	LinkedIn: <a href="https://www.linkedin.com/in/rahulsnadkarni/">linkedin.com/in/rahulsnadkarni/</a> Github: <a href="https://github.com/rahuln">github.com/rahuln</a>
EDUCATION	<b>University of Washington</b> – Seattle, WA <i>Ph.D. student, Computer Science &amp; Engineering</i> <i>M.S. Computer Science &amp; Engineering, 2017</i>	September 2015 – present Advisor: Noah A. Smith
	<b>University of California, Berkeley</b> – Berkeley, CA <i>B.S. Electrical Engineering &amp; Computer Science, 2015</i> <i>B.S. Bioengineering, 2015</i>	August 2011 – May 2015
SELECTED PUBLICATIONS	<b>Rahul Nadkarni</b> , David Wadden, Iz Beltagy, Noah A. Smith, Hannaneh Hajizhirshi, Tom Hope. Scientific Language Models for Biomedical Knowledge Base Completion: An Empirical Study. <i>Automated Knowledge Base Completion (AKBC)</i> , 2021. <b>Rahul Nadkarni</b> , Nicholas J. Foti, Adrian KC Lee, Emily B. Fox. A hierarchical state-space model with Gaussian process dynamics for functional connectivity estimation. <i>NeurIPS Workshop on Learning Meaningful Representations of Life</i> , 2019. <b>Rahul Nadkarni</b> , Nicholas J. Foti, Emily B. Fox. Learning Dynamic Functional Connectivity Networks from Infant Magnetoencephalography Data. <i>NIPS BigNeuro Workshop</i> , 2017.	
RESEARCH EXPERIENCE	<b>Graduate Student Researcher</b> <i>University of Washington – Seattle, WA</i>	September 2015 – present
	<ul style="list-style-type: none"><li>• Applying language models for scientific knowledge base completion, advised by Noah Smith.</li><li>• Developing machine learning techniques for time series with applications in neuroscience, advised by Emily Fox. Projects have included work using graphical models, state-space models, optimization, and Bayesian inference.</li></ul>	
PROFESSIONAL EXPERIENCE	<b>Software Engineer Intern, Machine Learning (Ph.D.)</b> <i>Facebook – Seattle, WA</i> Worked with the Content Integrity team on improving machine learning models for detecting objectionable online content. <b>Software Engineering Intern, Ph.D.</b> <i>Google – Seattle, WA</i> Worked with the Maps team on visualizing traffic data and adding to the traffic server backend.	June 2021 – September 2021 June 2017 – September 2017
TEACHING EXPERIENCE	<b>University of Washington</b> – Seattle, WA Teaching Assistant, Introduction to Artificial Intelligence Teaching Assistant, Data Structures and Algorithms	March 2016 – June 2016 September 2015 – March 2016
SELECTED COURSEWORK	Convex Optimization Machine Learning for Big Data Graphical Models	Statistical Inference Natural Language Processing Computer Vision Artificial Intelligence Computational Neuroscience Database Systems
SKILLS	<b>Languages:</b> <i>Proficient:</i> Python (numpy, scipy, matplotlib, pandas), Java <i>Working knowledge:</i> C/C++, Matlab, BASH scripting <b>Tools:</b> Git/Github, Amazon EC2/AWS, L <sup>A</sup> T <sub>E</sub> X, Hadoop	