M. Todd **Young**

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Education

University of Tennessee	*Knoxville, TN*
B.S. in Statistics, minor in mathematics	*2013 - 2017*

Experience

Oak Ridge National Lab	*Oak Ridge, TN*
Post-Bachelors Research Associate	*2017 - Present*

- Research in machine learning and optimization for high performance computing applications in the biomedical sciences.

Oak Ridge National Lab	*Oak Ridge, TN*
Research Intern	*2017 - 2017*

- Researched distributed Bayesian optimization for machine learning algorithms.

University of Tennessee	*Knoxville, TN*
Undergraduate Research (Dr. Michel Ballings)	*2016 - 2017*

- Researched natural language processing for financial markets.

Extracurriculars

University of Tennessee Machine Learning Student Organization	*Knoxville, TN*
Founder	*2016 - Present*

- Organized Kaggle competitions and hackathons.
- Presented machine learning methods through talks and demonstrations during biweekly meetings.

American Sign Language Student Organization	*Knoxville, TN*
Member	*2013 - 2015*

- Organized and performed interactive deaf theater in collaboration with the Tennessee School for the Deaf.

Publications

Journal Articles

Deep Clustering of Protein Folding Simulations
Debsindhu Bhowmik, **M. Todd Young**, Shang Gao, Arvind Ramanathan
BMC Bioinformatics (June 2018). 2018

Hierarchical attention networks for information extraction from cancer pathology reports
Shang Gao, **M. Todd Young**, John X Qiu, Hong-Jun Yoon, James B Christian, Paul A Fearn, Georgia Tourassi, Arvind Ramanathan
Journal of the American Medical Informatics Association : JAMIA 25 (Nov. 2017). 2017

Conference Proceedings

HyperSpace: Distributed Bayesian Hyperparameter Optimization
M. Todd Young, Jacob Hinkle, Ramakrishnan Kannan, Arvind Ramanathan
High Performance Machine Learning Workshop, 2018,