

# J David Smith

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## Education

**(In Progress) Ph.D. in Computer Science**, University of Florida  
Expected Graduation: May 2020

**Bachelor of Science in Computer Science & Math**, University of Kentucky  
Graduated summa cum laude in May 2015

## Employment

PhD Student, University of Florida.  
August 2015–Present

Software Engineering Intern (AppScan Source), IBM.  
May 2015–August 2015

Undergraduate Research Assistant, University of Kentucky.  
May 2013–May 2014, August 2014–May 2015

ExtremeBlue Technical Intern, IBM.  
May 2014–August 2014

Tutor, University of Kentucky.  
January 2014–April 2014, August 2014–November 2014

## Publications

### *Conference Proceedings*

Alan Kuhnle, **J David Smith**, Victoria Crawford, My T. Thai. “Fast Maximization of Non-Submodular, Monotonic Functions on the Integer Lattice” in the Proceedings of ICML 2018.

**J David Smith**, Alan Kuhnle, My T. Thai. “An Approximately Optimal Bot for Non-Submodular Social Reconnaissance” in the Proceedings of HyperText 2018.

Lan Nguyen, **J David Smith**, Jungmin Kang, My T. Thai. “Optimal Auditing on Smart-Grid Networks” in the Proceedings of ICC 2018.

Xiang Li, **J David Smith**, My T. Thai. “Adaptive Crawling with Multiple Bots: A Matroid Intersection Approach” in the Proceedings of INFOCOM 2018.

Xiang Li, **J David Smith**, My T. Thai. “Adaptive Reconnaissance Attacks with Near-Optimal Parallel Batching” in the Proceedings of ICDCS 2017.

Xiang Li, **J David Smith**, Thang Dinh, My T. Thai. "Why approximate when you can get the exact? Optimal Targeted Viral Marketing at Scale." in the Proceedings of INFOCOM 2017.

Xiang Li, **J David Smith**, Thang Dinh, My T. Thai. "Privacy Issues in Light of Reconnaissance Attacks with Incomplete Information." to appear in the Proceedings of Web Intelligence 2016.

### *Journal Articles*

Xiang Li & **J David Smith**, Tianyi Pan, Thang N. Dinh, My Thai. "Quantifying Privacy Vulnerability to Socialbot Attacks: An Adaptive Non-submodular Model" in the IEEE Transactions on Emerging Topics in Computing (2018).

Alan Kuhnle, Xiang Li, **J David Smith**, My T. Thai. "Online Set Multicover Algorithms for Dynamic D2D Communications" in the Journal of Combinatorial Optimization (2017).