**Curriculum Vitae**

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| **Personal Data** | **David Kephart**Email: dkephart@ut.edu |  |
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| **Education** | **Ph.D.** Department of MathematicsUniversity of South FloridaAugust 13, 2005 | Dissertation: *Topologies, Morphisms and Randomness in the Space of Formal Languages*Advisor: Nataša Jonoska |
|  | **M.A., B.A.** *Magna cum laude*Department of MathematicsUniversity of South FloridaAugust 10, 2001 |  |
|  | **Lower Division** City College of San Francisco9/1997-5/1998 | Concentration: Computer Science and Mathematics |
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| **Teaching Experience** | **01/2017—08/01/2017***Adjunct Professor*Hillsborough Community College Brandon CampusTampa, FL | Courses taught with technology support in lecture setting: Developmental Math, Math for Liberal Arts (Topics in Mathematics), Intermediate Algebra, and Finite Mathematics (Explorations in Mathematics) |
|  | **05/2003/--05/2006***Online STEM Tutor*Link-Systems International, Inc.Tampa FL | Subjects Tutored: Mathematics (from Grade 8 to Calculus III), Statistics, Discrete Math, Physics, Computer Science.  |
|  | **08/2004–12/2004***Adjunct Professor*Hillsborough Community College, Ybor City CampusTampa, FL | Subjects taught in lecture setting: Pre-Calculus, Intermediate Algebra, and Math for Liberal Arts |
|  | **09/2005–12/2014***Adjunct Professor*, University of South Florida, Tampa, FL | Subjects taught in lecture setting: Finite Math, Math for Liberal Arts, College Algebra, Trigonometry, Precalculus, Calculus I, II, and III, Engineering Calculus I, II, and III, Business Calculus, Life Sciences Calculus I and II, Geometry |
|  | **10/2001-4/2003***Volunteer Teacher*Volunteer Student Outreach ProgramUniversity of South FloridaTampa, FL | Subjects taught in classroom setting: Algebra, SAT math preparation, GeometryMethod: classroom presentationStudents: high school students from Hillsborough County |
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| **Other Professional Experience** | **8/2016—12/2016***Director of Academic Initiatives,* Link-Systems International, Inc., Tampa FL | Wrote grant proposals, nominated partners for awards, collaborated with independent researchers on issues of reliability and validity. Analyzed results, conferred with academic partners, present findings and informative presentations at conferences. |
|  | **12/2010—8/2016***Director of Academic Research,* Link Systems International, Inc., Tampa, FL | Organized, participated and wrote IBR applications, data assembly and analysis and journal articles for scholarly research. Spoke at academic conferences. Conducted corporate training. Wrote white papers, case studies, and APIs. Coordinated with product developers and educators. Reported progress to CEO. Created the company Research web page. |
|  | **05/2006–12/2010***Director of On-line Tutoring,* Link-Systems International, Inc., Tampa, FL | Directed all aspects of online tutoring on the NetTutor online tutoring platform. Hired, trained, and promoted tutors and appointed and trained tutor managers. |
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| **Conferences Presented At** | *National College Learning Center Association (2015, 2016)* |
| *Association for the Tutoring Profession* (*2015)* |
| *Online Learning Consortium [formerly Sloan Consortium] Emerging Technologies* (*2014)* |
| *Creating Futures Through Technology (2014)* |
|  | *Online Learning Consortium International Online Learning Conference (2013*, *2011, 2009)* |
|  | *Online Teaching Conference (2013)* |
|  | *NISOD (2012 and* *2008)* |
|  | *Innovations (2012)* |
|  | *AAACE (2011)* |
|  | *STEMtech (2010)* |
|  | *IEEE Congress on Computing (2004)* |
|  | *Southeastern International Conference on Combinatorics, Graph Theory, and Computing (2004 and 2002)* |
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| **Selected Publications**  | “Topology of Language Classes.” Coauthor: Sean Fulop. In *Proceedings of the 14th Meeting on the Mathematics of Language (MoL 14),* 2015, pp. 26–38. |
| "The Effect of Access to an Online Tutorial Service on College Algebra Student Outcomes." Coauthors: Gladis Kersaint, Jeffrey Barber, and James Dogbey. *Mentoring and Tutoring: Partnership in Learning.* 19(1), February, 2011 |
|  | *Topology, Morphisms, and Randomness in the Space of Formal Languages.*Dissertation, USF, 2005 |
|  | “CODEGEN: the Generation and Testing of DNA Code Words.” Coauthor: Jeffrey Lefevre. *Proceedings of the IEEE 2004 Conference on Evolutionary Computation*. (2004) 1865-73 |
|  | “Generating DNA Code Words.” Co-authors: Nataša Jonoska and Kalpana Mahalingam. *Congressus Numerantium*. **156** (2002) 99-110 |
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| **Other Writings** | *The Theory and Practice of Integrated Cognitive-Contextualized Learning.* [http://www.link-systems.com/docs/14-WP\_(04-16-2011)\_Integrated\_Cognitive\_Learning.pdf](http://www.link-systems.com/docs/14-WP_%2804-16-2011%29_Integrated_Cognitive_Learning.pdf) |
|  | *The HTML5 Revolution.* [http://www.link-systems.com/docs/03-WP\_(06-11-2012)\_The\_HTML5\_Revolution.pdf](http://www.link-systems.com/docs/03-WP_%2806-11-2012%29_The_HTML5_Revolution.pdf) |
|  | *MyAcademicWorkshop in the Technical College Classroom, with Spencer Hamrick.* [http://www.link-systems.com/docs/05-WP\_(08-02-2012)\_MAW\_in\_the\_Tech\_College\_Classroom\_R1\_00.pdf](http://www.link-systems.com/docs/05-WP_%2808-02-2012%29_MAW_in_the_Tech_College_Classroom_R1_00.pdf) |
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