**Kevin** **N.** **Hall |** [**knhall@illinois.edu**](mailto:knhall@illinois.edu) **|** [**kevinhall.info**](http://www.kevinhall.info) **|** [**linkedin.com/in/mrknhall/**](https://www.linkedin.com/in/mrknhall/)

**Education**

M.Ed., Curriculum and Instruction | University of Illinois | Champaign, IL **2002**

B.S., Ecology, Ethology, and Evolution | University of Illinois | Champaign, IL **1998**

**Professional Experience**

**Director of Curriculum Development CT-STEM Project |** [**Northwestern University**](http://www.sesp.northwestern.edu/profile/?p=23046&/Kevin%20Hall/) **| Evanston, IL, USA 2016 – 2019**

* Co-Developed and coached implementation of multiple science units with 16 teachers across 3 high schools incorporating computational thinking practices
* Managed the design, development, and administration of [**CT-STEM**](https://ct-stem.northwestern.edu/) interactive e-learning website with over 200 teachers registered
* Managed 10-12-person curriculum team consisting of graduate and undergraduate students
* Assisted in the design and implementation of multiple professional developments for partner teachers
* Designed and implemented summer research experience for 4 teachers over 2 consecutive summer workshops
* Member of [**CCL Lab**](http://ccl.northwestern.edu/staff.shtml), [**TIDAL Lab**](http://tidal.northwestern.edu/people/), and [**CT-STEM Project**](http://ct-stem.northwestern.edu/team/) and CT-STEM 5 person steering committee
* Presented at Computational Thinking workshop at 2016 NSTA Conference in Nashville

**Science Teacher |** [**International School of Panama**](http://www.isp.edu.pa/) **| Panama City, Panama 2013 - 2015**

* Taught Biology, Physics, and IB Environmental Systems and Societies for grades 9-12
* Utilized Canvas, Google sites, and other technologies to facilitate interaction with students

**Science Teacher |** [**Uruguayan American School**](http://www.uas.edu.uy/) **| Montevideo, Uruguay 2011 - 2013**

* Taught General Science, Life Science, Physical Science, Biology, and AP Biology for grades 6-12
* Utilized PowerSchool, Google sites, and other technologies to differentiate instruction

**IB MYP Curriculum Coordinator |** [**The Codrington School**](http://www.codrington.edu.bb/tcs/public/default.asp)**, | Barbados 2010 – 2011**

* Assisted and trained teachers on administration of IB Middle Years Program curriculum
* Served as teacher mentor for new/inexperienced teachers
* Involved in the integration of Moodle, ManageBac, Wikis, and other digital tools in instruction

**Science Teacher | The Codrington School | Barbados 2008 – 2011**

* Taught Technology, Integrated Science (Biology, Chemistry, Physics), and IB Diploma Biology
* Developed curriculum for all secondary school sciences and implemented annual secondary school science fair

**Area Science Instructional Specialist | Chicago Public Schools | Chicago, IL 2007 – 2008**

* Served as instructional coach to over 30 new and freshman level teachers at over 20 public high schools
* Planned and implemented professional development for over a 100 teachers and administrators in curriculum planning, data analysis, technology integration, literacy, and school improvement

**Science Teacher | Hyde Park Academy | Chicago Public Schools | Chicago, IL 2004 – 2007**

* Served as Head of Science Department and IB MYP Personal Project Manager for a school of 2000 students
* Taught Biology, Environmental Science, IB MYP Chemistry

**Biology Teacher | York Alternative HS | Chicago Public Schools | Chicago, IL 2002 - 2004**

* Taught and mentored student inmates located within the Cook County Department of Corrections
* Taught in after-school programs: Evening High School, General Education certification, Adult Literacy, and Computer classes to both student and adult inmates

**Technology Consultant | Stratton Elementary | Champaign, Illinois 2001-2002**

* Served as troubleshooter for technology and computer related equipment
* Instructed teachers in the usage and maintenance of educational technology

**Graduate Teaching Assistant | University of Illinois, College of Education | Champaign, IL 2001-2002**

* Taught classes of technology integration in education to pre-service teachers
* Instructed pre-service teachers in the development of a website and online portfolio

**Department Webmaster | University of Illinois, College of Education | Champaign, IL 1999-2002**

* Rebuilt departmental website and integrated it into the college intranet
* Built and maintained websites for professors within the department

**Research Biologist | University of Illinois Cancer Center | Chicago, Illinois 1998-1999**

* Conducted scientific research using current techniques in cancer biology
* Worked on the formation of a human tumor bank and procurement facility

**Certification**

**Illinois Secondary Teaching Certification**  **2002**

* HS (9-12) Biology, Botany, Chemistry, General Science, Physics, and Zoology
* MG (6-8) Biological Science, General Science, Language Arts, and Physical Science

**Courses and Training**

* IB Diploma (Science) | Montezuma, New Mexico **2004**
* IB MYP Summer Institute (Science) | Chicago, Illinois **2005**
* IB MYP Level II (Science) | Norfolk, Virginia **2005**
* IB MYP Level III (Science) | Montreal, Canada **2005**
* IB Diploma Level II (Biology) | Berlin, Germany **2010**
* IB Diploma Level III (Biology) | online course **2012**
* AP Biology Inquiry Labs | online course **2012**
* IB Diploma Level II (Environmental Systems and Societies) | Montezuma, New Mexico **2013**
* Powerful Tools for Teaching and Learning: Web 2.0 Tools | online course **2014**
* Differentiation: A strategy for all students | online course **2015**
* Design of Technological Tools for Thinking and Learning (LS 426) | Northwestern University **2016**
* Annual Educational Coaching Conference | Northwestern University **2016**
* Google Classroom | online course **2017**
* e-Learning Ecologies: Innovative Approaches to Teaching and Learning for the Digital Age | online course **2018**
* The Ultimate Guide to Game Development with Unity | online course **2018**
* The Odin Project **2019**
* Build Responsive Real-World Websites with HTML5 and CSS3| Udemy online course **2019**
* The Complete 2019 Web Development Bootcamp | Udemy online course **2019**
* Automate the Boring Stuff with Python Programming | Udemy online course **2019**
* JavaScript Essentials | Udemy online course **2019**
* Python Basics for Data Science | EdX online course **2019**

**Publications**

* Arastoopour Irgens, G., Dabholkar, S., Bain, C., Woods, P., Hall, K., Swanson, H., Horn, M., & Wilensky, U. (in review). Modeling and Measuring Students' Computational Thinking Practices in Science. Journal of Science Education and Technology
* Swanson, H., Arastoopour Irgens, G., Bain, C., Hall, K., Woods, P., Rogge, C., Horn, M., Wilensky, U. (2018). [Characterizing Computational Thinking in High School Science.](http://ccl.northwestern.edu/2018/ICLS2018Volume3_proceedings.pdf) In Kay, J. & Luckin, R. (Eds.), Rethinking Learning in the Digital Age. Making the Learning Sciences Count: Proceedings of the 13th International Conference of the Learning Sciences Vol. 2, 871-878

**Technical Skills**

* **OS**: Mac iOS, Windows, Android/Chrome, Ubuntu
* **Software**: HTML5, CSS3, Bootstrap 4, JavaScript, NetLogo, jQuery, Git, Office, Visual Studio, Virtual Box, Google Classroom, Canvas, Moodle, Scratch, Unity, Video/Audio editing, e-learning tools
* **Hardware**: Build and repair of computers, Virtual Reality (Oculus), Raspberry Pi