Nicholas C. Murphy

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interested in a collaborative team environment focused on opportunities to re-invent and re-think systems design, especially distributed and storage systems

education

- **harvard university –** PhD, computer science, (in-progress)
- **university of washington (2007 NSF Graduate Research Fellow) -** MA, computer science, 2009
- **harvard university (Detur Prize winner) -** AB magna cum laude (3.7 GPA), computer science, 2002
- **chapel hill high school (NC, Valedictorian) -** 1998

skills

- ***concepts:*** *non-volatile memories, consensus systems, scientific data, filesystems, databases, storage, os, distributed systems, virtualization, networking, security, …*
- ***technologies:*** *zookeeper, mongodb, CUDA, hadoop, WPF, LINQ, AWS (EC2, S3, etc.), linux, windows, SQL, ESX, …*
- ***languages:*** *python, c, java, c#, c++, javascript, php, …*

work experience

- **labs intern, oracle [2014] — Burlington, MA**
  investigated opportunities for emerging non-volatile memory technologies with a particular eye towards consensus/replicated/distributed systems. full time.

- **software development intern, cycle computing llc [2013] — Greenwich, CT (remote)**
  helped build a prototype local-cloud distributed data migration tool. full time.

- **research intern, netapp [2011] — Waltham, MA**
  explored filesystem support for multidimensional access to disk. full time.

- **surgical visualization developer, freelance [2009] — Seattle, WA**
  coordinated with medical researchers at the University of Washington and the Cleveland Clinic to develop a surgical visualization tool for pelvic biopsy. part time.

- **research intern, oak ridge national laboratory [2007] — Oak Ridge, TN**
  developed a rudimentary dataflow framework and cross-compiler for CUDA to improve programmability of GPUs. full time.

- **research software design engineer, microsoft [2003-2006] — Mountain View, CA**
  contributed to research projects in areas including distributed storage (Boxwood, Kinesis) and a next-generation OS (Singularity). full time.

- **software design engineer (test), windows reliability, microsoft [2002-2003] — Redmond, WA**
  primary test development for the Microsoft Reliability Analysis Service (MRAS). full time.

other interests

- *joint Harvard Law-SEAS working group on EdX data management*
- *soccer (former varsity player); skiing*
- *private plane piloting*
- *boat piloting*
- *3-year mentor for Harvard freshmen*
- *retired self-proclaimed Mario Kart 64 champion*
- *remembering technology is ultimately about people*