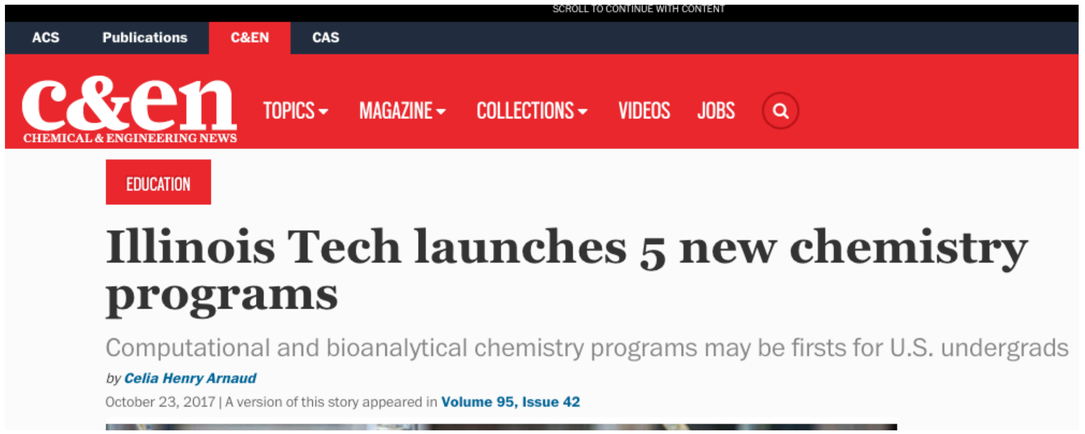
Introductory Remarks

- Welcome
- Introductions

History



- 2004: I attended a workshop on molecular modeling at the beginning of my Ph.D., helping me get off to a quick start
- 2017: Illinois Tech launches five specialized chemistry programs
- 2020: I teach Chem 456 - Computational Biochemistry and Drug Design - for the first time. It starts in a computer lab and moves online due to the pandemic.
- 2021: I plan to run a workshop based on Chem 456. Initially planned for Vietnam, it happens at Illinois Tech in the summer. At the end of the year, Liliana and Antonio visit from Simon Bolivar.
- 2022: The workshop is in Colombia!

Introductions

About me: work

Biographical

Professional History

2020 – present	**Robert E. Frey, Jr. Endowed Faculty in Chemistry**, Illinois Institute of Technology (Illinois Tech), Chicago, IL
2019 – present	**Associate Professor** (tenured), Department of Chemistry, Illinois Tech
2018 – present	**Associate Director**, Center for Interdisciplinary Scientific Computation, Illinois Tech
2013 – 2019	**Assistant Professor** (tenure-track), Department of Chemistry, Illinois Tech
2011 – 2013	**Postdoctoral Research Associate**, Duke University, Durham, NC
2009 – 2011	**Director's Postdoctoral Fellow**, Argonne National Laboratory, Argonne, IL
2007 – 2009	**Postdoctoral Trainee**, National Institutes of Health, Bethesda, MD

Education

2004 – 2007	**Ph.D. in Physical Chemistry**, University of California, San Diego. Thesis Title: Free Energy Reconstruction from Irreversible Single-Molecule Pulling Experiments. Recipient of Molecular Biophysics Training Grant and Aguoron Kamen and Kaplan Fellowship.
2000 – 2003	**B.A. in Chemistry**, University of California, Berkeley. Recipient of Chancellor's Scholarship (Berkeley's most prestigious scholarship) and National Merit Scholarship.

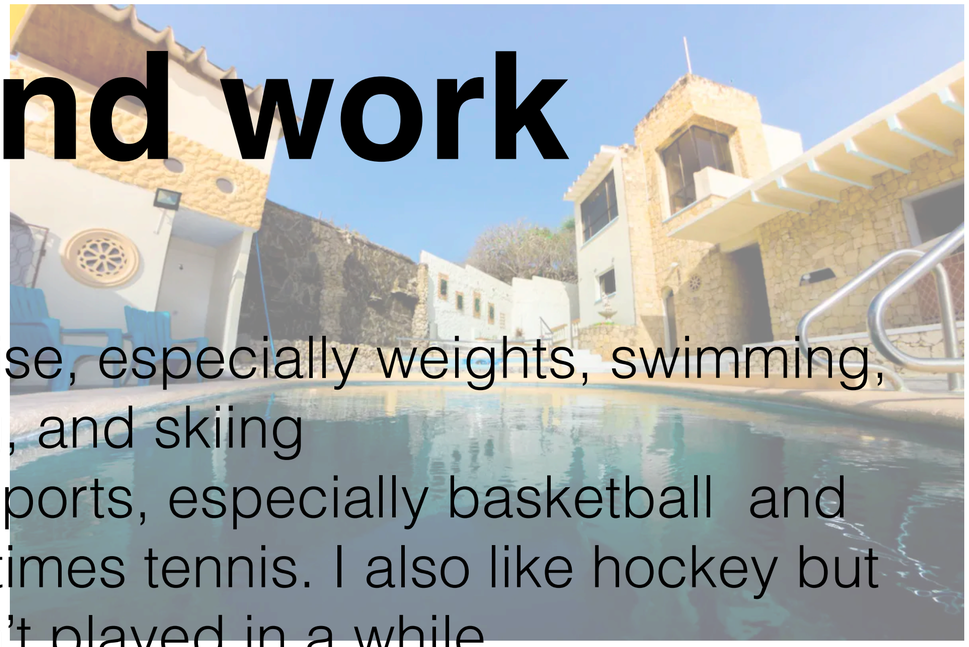
Awards

2019	40 under 40 Chicago Scientists. Selected by Halo Cures.
2019	Sigma Xi Junior Faculty Award, in recognition of Outstanding Accomplishments in Research and Scholarship. Awarded by the Illinois Tech chapter of the scientific research honor society, Sigma Xi.
2018	College of Science Dean's Excellence Award in Research, at the Junior Level

- Coauthored 48 peer-reviewed journal articles
- Cited over 1000 times with an h-index of 18 (18 articles with at least 18 citations), according to Google scholar.
- Current research in computational chemistry
  - Developing methods related to structure-based drug design
    - predicting binding affinities
    - simulating biological macromolecules
    - awarded grants by NIH and NSF
  - Involved in virtual screening projects for antibiotic drug discovery

Full curriculum vitae: http://mypages.iit.edu/~dminh/DavidMinh_CV.pdf

About me: beyond work



- Outside of work, I like to
  - learn Spanish
  - go to the beach. Salgar. anybody?
  - play chess and other board games, especially strategy and word games.
  - play music, especially classical piano. Sometimes I also play guitar and bass.
  - listen to podcasts and audiobooks. Some of my favorite podcasts are Hidden Brain, Planet Money, and Invisibilia from NPR, and Revisionist History by Malcolm Gladwell.
  - read news and sometimes books
  - play video games with my kids, especially on Nintendo Switch
  - exercise, especially weights, swimming, biking, and skiing
  - play sports, especially basketball and sometimes tennis. I also like hockey but haven't played in a while.
  - travel. I've been to 5 continents
- I am
  - Australian-born and American-raised by Vietnamese parents of Vietnamese and Chinese descent
  - married, with 2 children
  - Christian
  - incredibly blessed!

[Introduce yourself]

- What is your full name? What do you like to be called?
- Which degree program are you in?
- What are you hoping to learn in this workshop?
- How will this help you achieve your goals?
- Share something interesting about yourself