

David Ding

Website: davidding.me
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EXPERIENCE

Google

Software Engineer

New York, NY; 08/14 – 01/17, 05/17 – Present

- My team deals with duplicate businesses worldwide on Google Maps, which come in constantly from out numerous noisy data sources. I have been responsible for maintaining and retraining our central ML model, as well as engineering high-quality features for it.

ML Rotation Participant

Mountain View, CA; 01/17 – 05/17

- Researched interpretable ML models: specifically, extending the research group's existing highly interpretable lattice-based models to deeper and more flexible networks (NIPS 2017 publication; see below).

Intern (Site Reliability Engineering)

Los Angeles, CA; 06/13 – 09/13

- Designed, wrote, tested, and executed a tool for transferring live monitoring services from one cloud service to another, in preparation for a major infrastructure revision.

California Institute of Technology

Teaching Assistant

Pasadena, CA; 04/13 – 03/14

- Helped run algorithms, introductory programming, and functional programming classes.

PUBLICATIONS

- Seungil You, **David Ding**, Kevin Canini, Jan Pfeifer, Maya Gupta. Deep Lattice Networks and Partial Monotonic Functions. In the proceedings of NIPS, 2017. [arXiv:1709.06680](https://arxiv.org/abs/1709.06680).

EDUCATION

Columbia University

M.S.; Machine Learning; GPA 4.0/4.0

New York, NY; 09/14 – 12/16

California Institute of Technology

B.S.; Mathematics and Computer Science; GPA 4.0/4.0

Pasadena, CA; 09/10 – 06/14

SKILLS

- Programming languages: C++, Python, C, Scheme
- Other: SQL, TensorFlow, L^AT_EX, MATLAB

SOME INTERESTS

- Music: piano, saxophone, guitar, singing
- Puzzles: MIT Mystery Hunt (winning team) and many other puzzle hunts, twisty puzzles
- Outdoors: skiing (type 3), hiking (led a 50 mile trek through the Sierra Nevada)