

Education

- 09/11 - 06/13 **Stanford University**
M.S. in Computer Science (Specialization: Artificial Intelligence)
- 09/09 - 06/13 **Stanford University**
B.S. in Computer Science with Honors and Distinction, Minor in Physics
Honors Thesis: *End-to-End Text Recognition with Convolutional Neural Networks*
Advised by Professor Andrew Ng

Publications

- 2013 Adam Coates, Brody Huval, Tao Wang, **David J. Wu**, Andrew Y. Ng and Bryan Catanzaro. Deep Learning with COTS HPC Systems. In *International Conference on Machine Learning (ICML)*.
- 2013 Dan Boneh, Craig Gentry, Shai Halevi, Frank Wang, and **David J. Wu**. Private Database Queries using Somewhat Homomorphic Encryption. In *Applied Cryptography and Network Security (ACNS)*.
- 2012 Tao Wang*, **David J. Wu***, Adam Coates, and Andrew Y. Ng. End-to-end Text Recognition with Convolutional Neural Networks. In *International Conference on Pattern Recognition (ICPR)*.
- 2011 Adam Coates, Blake Carpenter, Carl Case, Sanjeev Satheesh, Bipin Suresh, Tao Wang, **David J. Wu**, and Andrew Y. Ng. Text Detection and Character Recognition in Scene Images with Unsupervised Feature Learning. In *International Conference on Document Analysis and Recognition (ICDAR)*.

Teaching Experience

- 09/10 - 12/11 **Stanford Computer Science Department**, CS 106A/B Section Leader.
Led weekly discussion sections, graded student assignments, met one-on-one with students to discuss programming style and paradigms, staffed computer resource center, and graded midterms and finals for CS 106A/B (Stanford's introductory computer science courses).

Awards and Distinctions

- 04/13 **National Science Foundation Graduate Research Fellowship.**
- 04/13 **Frederick Emmons Terman Engineering Scholastic Award.**
- 09/11 **Best Student Paper Award**, ICDAR 2011.
- 05/11 **Stanford Boothe Prize**, Honorable Mention.
- 09/10 **President's Award for Academic Excellence in the Freshman Year.**
- 10/09 **Stanford Local ACM Programming Contest**, 8th Place.

*Denotes equal contribution

Industry Experience

- 01/13 - 05/13 **Coursera**, Software Engineering Intern.
Worked on the infrastructure team on improving site monitoring, logging and testing. Also developed improvements to internal deployment tools.
- 06/11 - 09/11 **Facebook**, Software Engineering Intern.
Worked on improving memory performance of Facebook News Feed backend and developed a system for data recovery and synchronization across distributed databases for Facebook Timeline.
- 06/10 - 09/10 **Intuit**, Software Engineering Intern.
Designed and built a web-based application that aggregated merchant categorization data, displayed statistical measures of categorization, and streamlined the process of making modifications to categorization parameters.