Benjamin Bolte

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Internships

Facebook, Care Machine Learning — Summer 2017

- Built tools for automatically evaluating and deploying objectionable content classifiers
- Tripled model refresh rate and eliminated several hours of manual work per refresh

Google, Handwriting Recognition Research — Fall 2016

- Improved mixed-script online handwriting recognition for Chinese-English and Devanagari-English language pairs
- Trained a Generative Adversarial Network for producing handwriting using recurrent neural networks with attention components (to attend to the desired text)

Amazon, India Invoicing — Summer 2016

- Built three APIs for interacting with the existing India invoicing service
- Built a web framework for helping product managers answer customer questions and solve bugs
- Diagnosed and fixed a Sev 2 which affected millions of dollars in transactions

Education

- **M.S. in Computer Science and Mathematics** Emory University, advised by Avani Wildani — May 2017
- **B.S. in Computer Science and Mathematics** Emory University, GPA: 3.84 — December 2017

Awards

- **Reinforcement Learning Summer School, MILA** 19.9% acceptance rate — 2017
- **Facebook Hacker's Cup** Got to Round 2, one of 2299 worldwide — 2016
- **Dean's Achievement Scholarship** Top undergraduate merit award — 2014
- **Computational Neuroscience Training Grant** NIH Blueprint Grant for studying computational neuroscience — 2014

Academic

- **Community-based benchmarking improves spike inference from two-photon calcium imaging data** — 2017
  A bunch of people. DOI: 10.1101/177956
- **Deep Language Modeling for Question Answering using Keras** — Pydata Carolinas 2016
  B. Bolte. YouTube ID: bvZnphPgz74
- **FPAA Demonstration Controlled through Android-Based Device** — ISCAS 2016
  B. Bolte, S. Shah, S. Kim, P. Hwang, and J. Hasler

Projects

Consult github.com/codekansas for most of my body of work

- **Electric Longboard** Designed and built an electric longboard using OpenSCAD, using Georgia Tech's maker space to waterjet cut the mount