

# Benjamin Bolte

me@bolte.cc  
+1 (678) 561-3132  
Seattle, WA  
codekansas.github.io  
github.com/codekansas

## TL;DR

Software engineer at Facebook; former intern at Amazon, Google Research and Facebook Applied Machine Learning; BS in Computer Science and Mathematics from Emory University (3.8 GPA); NIH blueprint grant recipient for studying computational neuroscience; interested in the intersection of deep learning, neuroscience and language.

## Work Experience

### Facebook, Core Machine Learning

Seattle, 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

Mountain View, 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

Seattle, 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

## Awards

- **1st Place, ACM Southeast ICPC** Division 2 2017
- **Dean's Achievement Scholarship** Highest undergraduate merit award 2014 - 2017
- **Computational Neuroscience Training Grant** NIH Blueprint Grant for computational neuroscience 2014 - 2016

## Academic

Google Scholar ID: JEXV\_kAAAAJ

- **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*. DOI: 10.1109/ISCAS.2016.7527525

## Languages

- **Spanish** Traveled through Spain, although it's been a while since I've practiced Conversational
- **Chinese** Primarily spoken, although some familiarity with characters HSK 3

## Interests

Neuroscience — Cognitive Models — Haruki Murakami — Douglas Hofstadter — Unicycling — Tetris — Soccer — Generative Art — Open Source Software — Information Retrieval — Language Modeling — Embedded Neural Networks — Neural Hardware