Benjamin Bolte

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EDUCATION

EMORY UNIVERSITY

Bachelors of Science
Math and Computer Science
December 2017 | Atlanta, GA
Dean's List
Dean's Achievement Scholarship
Cum. GPA: 3.86 / 4.0

Masters of Science
Math and Computer Science
December 2017 | Atlanta, GA

LINKS

Blog: benjaminbolte.com
Github: codekansas
LinkedIn: benjamin-bolte-37337686

COURSEWORK

GRADUATE

Information Retrieval
Software Engineering
Computational Neuroscience
Computer Security
Systems Programming

UNDERGRADUATE

Computer Science:
Artificial Intelligence
Data Structures and Algorithms
Assembly Programming
Electronics and Microprocessors
Theory of Computing

Mathematics:
Numerical Analysis
Complex Variables
Linear Algebra
Differential Equations
Probability and Statistics

Neuroscience:
Introduction to Neurobiology
Neurophysiology Laboratory

OTHER EXPERIENCE

Spanish (Conversational)
Chinese (Elementary)
Theano, Tensorflow and Keras
Flask and Django
Lucene

PROJECTS

Deep Language Modeling for Question Answering using Keras
Recurrent and convolutional neural networks for question answering, including attention mechanisms and word embeddings. Will present a tutorial on this at PyData Carolinas 2016.

Additionally Electric Longboard • Open Source 3D Printer • tDCS Brain Stimulator • Bluetooth Texting App • Smart Mirror

OPEN SOURCE CONTRIBUTIONS

Keras
Popular deep learning framework written in Python.
- Added support for masking to `Merge` layer and `all` command to backend
- Frequently answer questions in the Issues section on the Github page

WORK EXPERIENCE

GOOGLE SDE Intern, Google Research
Fall 2016 | Mountainview, CA
- Will intern in the Machine Perception group at Google

AMAZON.COM SDE Intern, Amazon.in
Summer 2016 | Seattle, WA
- Built three APIs for interacting with India invoicing service
- Built web framework to help customer-facing product managers answer questions and solve bugs
- Fixed Sev 2 issue in production

GEORGIA TECH Researcher, CADSP Lab
May 2015 - Present | Atlanta, GA
- Investigate how field-programmable analog arrays can be used for neuromorphic modeling
- Presented a conference poster at ISCAS 2016.

LEADERSHIP AND COMMUNITY ENGAGEMENT

- Teaching Assistant, Data Structures and Algorithms
- Computational Neuroscience Graduate Journal Club
- Co-ed Intramural Soccer Champion
- Emory Undergraduate Math Majors Association

WHAT I'M GOOD AT

- Getting really obsessed with a problem and forgetting to eat enough
- Explaining complex things in a simple way
- Adapting to new situations

AWARDS

- 2nd round of Facebook Hacker's Cup
- 2nd place, ACM ICPC Southeast Regional Competition Div. B
- Top 10 finisher at HackGT for Phonely web application
- Computational Neuroscience Training Grant