

# Sam Sandberg | pile of guacamole

US Citizen – Atlanta, GA

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## Skills

- Concepts: OOP, Design Patterns, SOA, APIs, Frameworks, Machine Learning, Big Data, Data Mining, SQL/NoSQL DBs, ORMs, Version Control, Unit Testing, TDD, Logging, Documentation, LBS, OSS, TCB, AWS, Heroku, Prototyping, Scrum, Agile
- Tools: Python (+Django/Flask/Celery/NumPy/Keras), Java/Android, C++, C, JS, Bash, Git, PostgreSQL/Redshift/MySQL/Redis, Solr/ElasticSearch, TLA, ESP8266/Arduino/Raspberry Pi, English, some Spanish/French/Slovenian/Danish

## Experience

**Hifi** **New York, NY / Remote**  
November 2013 – Present  
*Chief Architect*

Personally responsible for design/creation/maintenance of technology at Hifi

- Platform
  - Internal/external APIs, Partner integrations, Elaborate data models, Custom ETL data pipelines, Setup/maintenance of AWS/Heroku infrastructure, Postgres / Redis stores, Systems and stats monitoring, Company wiki, Coding style guidelines, Deployment procedures, Testing/continuous integration, Documentation, Product planning/team organization/mentoring
- Recommendations framework
  - Custom recommendations framework featuring various models for taste profile/context/content, Regular model training and validation, Internal recommendations API

**GetGlue** **New York, NY**  
April 2013 – November 2013  
*Backend Engineer*

- New V3 API, Custom Twitter/Gnip integrations, Advertising platform, Email alerts, Data layer
- Housekeeping items: Testing/code coverage, Wiki/documentation, Internal company Hubot

**Zemanta** **Ljubljana, Slovenia / New York, NY**  
February 2011 – April 2013  
*Backend Software Engineer*

- Custom sales software solution, Partner Dashboard tool
- Research on semantic topics/user behavior/the state of the blogosphere
- Presentations at a local Slovenian hackerspace/Ljubljana University/NY Tech Meetup

**The Orchard** **New York, NY**  
June 2010 – February 2011  
*Senior Web Developer*

- Music/video encoding/delivery system, Artist Builder product

**Kargo** **New York, NY**  
May 2007 – June 2010  
*Software Developer*

- Custom DAM (still in use today), Custom statistics suite, Platform engineering, DBA for multiple replicated MySQL pools

**The George Washington University** **Washington, DC**  
September 2007 – May 2008  
*Teaching Assistant*

- Fall semester: TA for CS135 Computer Architecture; Spring semester: TA for CS53 Intro to Java Programming

## Education

**The George Washington University** **Washington, DC**  
Fall 2007 – Spring 2008  
*Computer Science (Masters of Science), GPA: 3.88/4.00*  
School of Engineering and Applied Science

**The George Washington University** **Washington, DC**  
Fall 2003 – Spring 2007  
*Computer Science (Bachelor of Science), GPA: 3.61/4.00*  
School of Engineering and Applied Science, Sigma Alpha Mu

**Denmark International Study Program** **Copenhagen, Denmark**  
Spring 2006  
*Semester Abroad*  
Humanities and Social Sciences Program

## Interests

- Atlanta, beer, camaraderie, concerts, cooking, cycling, family, hacking, hardware, languages, music, New York, the ocean, skateboarding, software, solving problems, sports, teamwork, travel, vinyl