anjana sofia **vakil**

language technologist and full-stack developer

contact

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programming

Python
JavaScript
Groovy
C#
Java

languages

English (US) (native)
French (adv.)
German (high int.)
Italian (low int.)
Spanish (low int.)

projects

de-stress | *A prototype pronunciation training tool*   github.com/vakila/de-stress/
- Designed and developed web application in Groovy/Grails
- Trained and tuned CART classifier for pronunciation error detection
- Refactored parts of JSnoori, a Java speech analysis application used in de-stress's backend

lex4all | *Pronunciation lexicons for any low-resource language*   lex4all.github.io/lex4all
- Led development of graphical Windows desktop app in C# with VisualStudio
- Implemented algorithm for automatic pronunciation discovery

Deeva | *A depot of evolving avatars*   deeva.mmci.uni-saarland.de/
- Led team in designing/developing Python/Django app prototype to client specifications
- Implemented genetic algorithm for evolution of 3D virtual avatars
- Managed team of 3 using RedMine project management; led all client interactions

BrainLord | *A colorful code-breaking game*   github.com/vakila/brainlord
- Implemented code-breaking guessing game in Python 3
- Created graphical user interface with TkInter package

experience

09-12/2015	**Recurse Center (f.k.a. Hacker School)**	*Programmer*	New York, NY, USA

- Participated in full-time self-directed programming retreat
- Contributed to open-source projects such as Zulip and the HTML Standard
- Pair-programmed to implement algorithms in Python and JavaScript

2013–2015   **Phonetics Group, Saarland University** | *Research Assistant*   Saarbrücken, Germany
- Co-authored annotation guidelines for a bilingual speech corpus
- Used SVN for version control of annotations
- Built static project website in HTML, CSS, and JS/jQuery (www.ifcasl.org)

2011–2012   **Royal Melbourne Institute of Technology** | *English Instructor*   Hanoi, Vietnam
Taught full-time academic English classes to post-secondary students

2008-2010   **Kaplan International** | *English Instructor*   San Francisco, CA, USA
Taught general English and specific subjects (e.g. TOEFL) to adults

2007-2008   **Meltwater News** | *Sales Consultant*   San Francisco, CA, USA
- Identified and signed new clients for media-monitoring SaaS company
- Worked with engineering team to tailor software to client needs

education

2015   **M.S. Language Science & Technology**   Saarland University, Saarbrücken, Germany
- Completed courses in computational linguistics, speech technology, statistical NLP, machine learning, and software engineering
- Published and presented original research and software at international peer-reviewed conferences (e.g. ACL 2014, SLTU 2014, SLaTE 2015)

2007   **B.A. Philosophy**   University of California, Berkeley, CA, USA