

# Reed Dunkle

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## EXPERIENCE

### *Programmer, Recurse Center*

New York, NY — Spring 2016

The Recurse Center is a self-directed, educational retreat for programmers

#### Projects

- [Hacker News Article Topics](#) – *Topic model and keyword extraction script, written in Python*
  - Implemented Latent Dirichlet allocation topic model
  - Cleaned and standardized text for natural language processing using NLTK library
  - Scraped articles using Hacker News API
- [Backtrack Robot](#) – *Path-finding and backtracking algorithm, written in Python*
  - Introduced and optimized memoization of visited paths
  - Utilized phased design from imperative to OOP
- [Speed Pong](#) – *Fast-paced take on the classic Pong game, written in JavaScript*
  - Leveraged JavaScript standard practices including ES6, Webpack, and Mocha tests
  - Applied collision detection and physics simulation
  - Created GUI using the Canvas API

### *Language Curriculum Developer, IES Marqués de los Vélez*

Murcia, Spain — 2013-2014

- Conducted comprehensive curriculum review; developed action plan for optimization and improvement
- Compiled and managed repository for digital language learning resources
- Independently organized after-school student workshops

### *Director of English Immersion, Grupo Avanza*

Murcia, Spain — 2013-2014

- Co-designed new, extended curriculum and led its implementation within the company
- Significantly increased student achievement and return rate

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## SKILLS

### Python

NLTK, Pandas, Jupyter, Nose, Flask

### JavaScript

Node, Webpack, Mocha, Chai,  
React, Redux

- **Git**

- **Linux Development**

- **Troubleshooting**

- **Hardware Installation**

### Spanish – Fluent

Tutor, Translator

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## EDUCATION

### Recurse Center

Computer Programming

### Allegheny College, BA

Spanish Language and Translation

*La Vieja Herida:*

*Un Estudio de la Traducción a través  
de Armando Rojas Guardia*

### Middlebury College

School of Spanish

### Center for Cross-Cultural Study

Spanish Studies

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