

Reed Dunkle

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PROJECTS

- [Human Resources](#) – *CRUD web app to enter jobs, log time, and generate invoices, written in React, Redux, and Django*
 - Exercised stateless, client-side web practices
 - Transferred data through Ajax calls against backend Django API
- [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
- [Code Dojo](#) – *Lessons in algorithms, problem solving, and code review*
 - Teach data structures and algorithms, and conduct live, video code review each week
 - Direct and organize the project, writing the readme, tests, and talking points for each challenge

SKILLS

Python

Django, NLTK, Pandas, Jupyter, Unittests

JavaScript

React, Redux, Node, Webpack, Mocha, Chai

- **Algorithms**

- **Git**

- **Linux Development**

- **Hardware Installation**

Spanish – Fluent

EDUCATION

Recurse Center

Computer Science

Allegheny College, BA

Spanish Language and Translation

Middlebury College

School of Spanish

Center for Cross-Cultural Study

Spanish Studies
