Reed Dunkle

(814) 720-7278
600 Hampton Ave., Apt 3
Pittsburgh, PA 15221

github.com/reeddunkle | linkedin.com/in/reeddunkle | reeddunkle@gmail.com

PROJECTS

- **Human Resources** – *CRUD web app to enter jobs, log time, and generate invoices written in JavaScript and Python*
  - Exercised stateless, client-side web practices in React.js and Redux
  - Transferred data through Ajax calls against backend Django API
- **Hacker News Article Topics** – *Topic model and keyword extraction script written in Python*
  - Implemented Latent Dirchlet allocation topic model using scikit-learn and lda libraries
  - 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 modern JavaScript practices including ES6, Webpack, and Mocha tests
  - Applied collision detection and physics simulation using 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

WORK EXPERIENCE

Android Developer, Firth Maple Products
September 2016 – Present

- Co-designed lumberyard and forest management app
- Created mock-ups and helped negotiate time and expense

SKILLS

Python
Django, PostgreSQL, NLTK, Pandas, Jupyter, Unittests

JavaScript
React, Redux, Node, Webpack, Mocha, Karma

• **Algorithms**
• **Git**
• **Linux Development**
• **Hardware Installation**

Spanish – Fluent

EDUCATION

Recurse Center
Computer Science

Allegheny College
Spanish Language and Translation

Middlebury College
School of Spanish

Center for Cross-Cultural Study
Spanish Studies