

# JOSEPH DANIEL ZOLAND

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## SKILLS

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JavaScript  
Python  
Swift  
HTML/CSS  
Scrum/Agile

## EDUCATION

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### CODING DOJO

San Jose, CA  
*Triple Black Belt Graduation,*  
*May 2017*

- Studied the MEAN, Python (Django/Flask), and iOS stacks
- Completed 1000 hours of instruction within a very intense curriculum
- Obtained the highest honor upon graduation, "Triple Black Belt", requiring the near-perfect creation of a webpage from a wireframe in less than 4.5 hours, for each of the 3 stacks

### SAN JOSE STATE UNIVERSITY

San Jose, CA  
*Master of Arts, Psychology,*  
*December 2013*

- Thesis: "Attention Restoration Theory in Gaming as it Pertains to Subsequent Academic Learning"
- Presented in 2013 at Western Psychological Association Conference
- Awarded Frank D. Payne Memorial Scholarship; 4.00 GPA

## HOBBIES

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- Playing video/board games
- Hiking
- Tennis

## PROFESSIONAL SUMMARY

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Developer with formal training in Javascript, Python, and Swift, and a M.A. degree in psychology tailored towards education and technology. Prior experience developing applications, from concept development through completion. Willing to relocate if a position is an excellent fit.

In addition to software development expertise, very experienced with psychology, research methods, statistics, education, and project management. With the aid of a collaborative team, eager to facilitate efficient coding practices and develop new amazing software.

## EXPERIENCE

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### VALLEY MEDICAL CENTER FOUNDATION

San Jose, CA

#### *Developer*

08/2017-Current

- Presented project to prospective teammates and interviewed them
- Entrusted with additional Scrum Master duties for a few sprints
- Adapted product from unnecessary usage of ReactJS to EJS
- Focuses on backend (e.g., fixed bug of steadily increasing DB calls)
- Note: This project is a silent bidding site for an annual fundraiser; technologies include MongoDB (NoSQL), Express, and Node.js

### SOCRATIC TECHNOLOGIES

San Francisco, CA

#### *Research Associate - Project Director*

03/2015-12/2016

- Achieved promotional advancement through highly successful management of all stages of numerous projects
- Spearheaded the company's movement towards Python/Pandas
- Annotated the 300+ item change log and wrote the 2200+ lines of SPSS syntax for a high-profile survey

## SOLO CODING PROJECTS

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### RED DUDE (JavaScript)

- Used JavaScript to make a side-scrolling platformer game, similar to levels in the Mario Bros. series. The player's score increases as he/she hops from left to right across randomly generated platforms at increasing speeds; the game ends when the player falls.

### TETRIS NATURES (iOS/Swift)

- Used SpriteKit to create a block-matching game, similar to Bejeweled. The game implements an advanced pattern-matching algorithm that runs on a fixed-time interval. For example, the algorithm can determine if there is a match of three vertically and a match of three horizontally (e.g., "L" shape), play a happy sound effect as player feedback, and then delete the matching blocks.