Nick **Alzapiedi**

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PROJECTS

FoodStamps (Rails, React.js)   live | github
Social media photo sharing website based on Instagram.
- Implements file upload using AWS cloud storage.
- Bootstraps user data on page load to avoid extra AJAX requests.
- Searches for posts through model associations using PgSearch.

Chess AI (JavaScript, jQuery, CSS)   live | github
Strategy board game played against the computer.
- Builds a game tree of all possible moves to a specified depth.
- Searches the game tree recursively to find best move.
- Considers the opponent's most probable choices when determining next move.

SkiFree (JavaScript, HTML5 Canvas)   live | github
Remake of classic Windows game from 1991.
- Calculates object velocities using trigonometry and vector mathematics.
- Allows game physics and object density settings to be modified by player.

SKILLS

Ruby	JavaScript	Flux	HTML/CSS	SQL
Rails	React.js	jQuery	TDD	Git

EXPERIENCE

Electrical Engineer - *POWER Engineers, Inc.*   2013 - 2015
- Prepared hundreds of detailed design drawings and technical specifications.
- Programmed relay devices responsible for protecting over $100M of equipment.

EDUCATION

Web Development - *App Academy*   2015 - 2016
- Full stack web development course, acceptance rate < 3%.
- Strongly emphasis on pair programming and test driven development.

BE Electrical Engineering - *Stevens Institute of Technology*   2009 - 2013
- Programmed six class projects using C, C++, Assembly and MATLAB.