Zane **Brzezinski**

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PROJECTS   **Sine** (Rails, React/Flux) | *Full-stack design and development*   live | github
Video sharing website based on Vine
- Trims video on back-end with FFMPEG for space-efficient cloud storage on AWS S3.
- Implements custom JavaScript function to preview trimmed video
- Generates feed content dynamically allowing simple content aggregation

Drum Machine (Rails, React/Flux, Canvas) | *Front-end engineer*   live | github
Playable drum machine using HTML5 audio
- Saves patterns to browser cookie to allow persistent saving without authentication
- References DOM nodes corresponding to each instrument to improve performance

Active Record Lite (Ruby) | *Ruby design*   github
ORM inspired by Active Record
- Manipulates strings using ActiveSupport inflector to generate consistent table/model/controller relationships
- Generates SQL queries to automatically create user specified model relations

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SKILLS   **Ruby, Rails, Javascript, jQuery, React/Flux, HTML, CSS, SQL, Processing, Arduino**

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EXPERIENCE   **Audio-Engineer** - *WNYU Radio (2008 - 2011), KRTS Radio (2013-2014)*
- Recorded 50+ professional bands as audio equipment operator and engineer
- Designed team-wide procedure for vocal compression, saving dozens of man-hours

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EDUCATION   **Web Development -** *App Academy (2015-2016)*
- Immersive 12 week software development course with < 3% acceptance rate
- Coded for 250+ hours in strict pair programming and TDD environment
- Emphasis on quality code and teaching industry standard design conventions

BFA Education - *New York University (2007-2011)*
GPA 3.3, Minor in Web Applications and Design
- Course completed in Physical Computing at NYU School of Interactive Telecommunications Programming