

# Dzheni Dilcheva

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**LinkedIn • GitHub • Portfolio**

**Projects**   **TaskChamp** (Rails, JavaScript, ReactJS, PostgreSQL) [live](#) • [github](#)

*A RESTful, single-page app with Redux architecture and a JSON API.*

- Simplifies backend with polymorphic ActiveRecord associations.
- Enhances UI with Google OAuth, calendar integration, and rich-text.
- Leverages AWS cloud storage of user uploads for scalability.

**Tetronimos** (JavaScript, HTML5, CSS, Canvas) [live](#) • [github](#)

*A tile-matching JS browser game with object-oriented design.*

- Encourages extensible development through class inheritance.
- Incorporates ES6 with Babel to ensure cross-browser compatibility.
- Implements tile rotation via Cartesian plane transformation model.

**EasyData** (Ruby) [github](#)

*A lightweight Ruby ORM inspired by ActiveRecord's functionality.*

- Defines getter and setter methods for convenient manipulation of table data using metaprogramming.
- Establishes single and multi-step model association methods, complete with default parameters, to streamline common operations.

**Skills**   **Ruby • Ruby on Rails • RSpec • SQL • JavaScript • jQuery • React • Redux • HTML5 • CSS3 • Git • AWS • Google API • OAuth**

**Education & Training**   **App Academy**, New York, NY • 1000-hour full-stack programming bootcamp with <5% acceptance rate (Fall 2016)

**University of Buffalo**, Buffalo, NY • MA Transnational Studies (2009–2013), 4.0 GPA, Presidential Fellowship

**Trinity College**, Hartford, CT • BA International Studies (2004–2009), 4.2 GPA, Student-Initiated Research Grant, Phi Beta Kappa

**Professional Experience**   **Teaching Assistant**, AppAcademy, New York, NY (Nov 2016–present)

- Teach basic programming with Ruby.

**Administrative Coordinator**, The Graduate Center, CUNY, New York, NY (2014–2016)

- Optimized program workflow by introducing tighter data management practices with tools such as Oracle APEX and Argos reporting.
- Spearheaded an alumni outreach effort by reorganizing databases, and generating digital content for the university's CMS.