

# Francis Kim

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Software Developer

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## Projects

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### Skills

Ruby, Rails, SQL, jQuery,  
JavaScript, React.js,  
Flux, Git, HTML5, CSS,  
MaxMSP, Processing

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**Cruddyreads:** A full stack web app inspired by Goodreads, built with Rails and React.

- Permits Twitter login through OmniAuth for a seamless user experience.
- Uses AWS3 to store images. Remote hosting in the cloud allows for future scalability.
- React lifecycle methods and Flux architecture ensure that application data and rendering are in sync.

**Quindici:** A browser game inspired by the classic Game of 15 puzzle, using an image or GIF background.

- All aspects of the game are customizable: board dimensions, difficulty, and background can all be changed by the user.
- Uses jQuery listeners and CSS hover-overs to respond to user interaction and change game state.
- Employs a custom algorithm to ensure that the game begins only with winnable tile positions.

**myQuery:** A lightweight JavaScript library for DOM manipulation

- Common DOM tasks like adding or modifying HTML are simplified by wrapping elements in a JavaScript object which abstracts away mundane complexities.
- Entire library weighs in at less than 10 kilobytes, so as not to affect page load time.

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## Education

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**App Academy, 2016**

12-week full-stack development bootcamp with < 5% acceptance rate

**Yale University School of Music, M.M., Organ Performance, GPA: 3.85, 2013–15**

- Recipient of Full Merit Scholarship and Fellowship
- Recipient of Charles Ives Prize for Organ

**Catholic University of America, Graduate studies in Philosophy, 2007–08**

**University of Louisville, B.A., Philosophy, GPA: 3.65, 2005–07**

**Oberlin College Conservatory of Music, Piano Performance, 2002–05**

- Recipient of Conservatory Dean's Scholarship

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## Experience

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**Associate Music Director at St. Pius X Church, Scarsdale, NY, 2015–16**

Directed the choir and played organ for a congregation of > 1,000. Taught music lessons to parish children.

**Instructor at the Yale School of Music, New Haven, CT, 2013–15**

Taught weekly organ lessons to Yale students. Students received school credit for their lessons.

**Director of Music at St. Stephen Martyr Church, Washington, DC, 2010–12**

Played organ for all services and conducted a choir of 8 paid singers. Led the process of hiring new singers.