

Mike Ryan

1412 Market St. #312 • San Francisco, California • 94102

CELL (973) 617 - 6411 • E-MAIL mgryan@email.com

EXPERIENCE

Software Developer - *American Microsemiconductor, Inc., Madison, NJ (1997 - 2004)*

(This time frame includes part time work, but amounts to ~2 years of full-time experience writing code, including over a year of continuous work in 2003-4)

- Improved an inventory management program written in Clipper from being able to search two columns to ~20 columns, added additional tables to record inquiries and sales. Initiated the conversion of 5 years of sales data stored in multiple formats.
- Designed and implemented code to manage inventory containing ~ 250,000 items using Perl and MySQL, including formatting and uploading to e-commerce sites.
- Wrote a mass-emailer in Perl that placed unique customer identifiers into links and wrote applications for tracking and analyzing click-throughs.

EDUCATION

Web Development - *App Academy, San Francisco, California (January 2016)*

- Immersive, full-stack web development training program (acceptance rate < 5%)

BA Education - *Rutgers, The State University of New Jersey (Fall 2003)*

- Quadruple major in Computer Science, Mathematics, Philosophy, and History

PROJECTS

Polltergeist (Rails, React.js)

[live](#) | [github](#)

Polling application inspired by Poll Everywhere

- Custom routes and custom controller actions enable the simultaneous processing of objects at different levels within a hierarchy
- Handles nested form data and allows users to perform multiple CRUD actions from a single page using React.js

Bubble Shooter (JavaScript)

[live](#) | [github](#)

- Represents the vertices of tessellated equilateral triangles in a coordinate system using integers
- Finds contiguous regions of identically-colored objects and otherwise-connected objects using breadth-first search

Rails Lite (Ruby)

[github](#)

- Illustrates the seven RESTful controller actions via the implementation of a simple application

OTHER

EXPERIENCE

Sixth Grade Math Teacher - *Union School, Rutherford, NJ (2004 - 2009)*

Basic Skills Math Teacher, Grades 4 - 8 - *Union School, Rutherford, NJ (2009- 2015)*

- Coordinated scheduling and curriculum with as many as 16 colleagues on a weekly basis to deliver remedial instruction to students in five grade levels
- Co-led the Sunshine Club, which organized social events for colleagues going through important life events such as births and marriages (2011-2012)

SKILLS

Ruby, Rails, SQL, Perl, Javascript, jQuery, React, Flux, HTML, CSS, git, TDD

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