

# Michael Brucker

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[Portfolio](#) | [GitHub](#) | [LinkedIn](#)

Philadelphia, Pennsylvania

## Skills

- JavaScript | ES6 | jQuery | Phaser3 | Tiled | AJAX | Git | GitHub | Heroku
- Ruby | Ruby on Rails | ActiveRecord | SQLite3 | HTML5 | CSS3 | SCSS

## Web Dev Projects

- **Tower-Defense Game** | [Live](#) | [GitHub Repo](#)
  - HTML5 Game created using JS Phaser3 library.
  - Concerted effort to make code DRY.
  - Towers search for enemies within a set radius, returns the closest enemy object, then locks on to that enemy until it is destroyed or out of range.
  - Building towers 'snap' to a grid and cannot be built on each other or in 'no-build zones'.
  - Enemies increase in speed and health each wave and special bosses come every 5 waves.
  - Optimized animations and sounds to prevent slowdowns audio build-up.
  - Custom map built with Tiled application.
- **Blob-Man (Pac-Man spin-off)** | [Live](#) | [GitHub Repo](#)
  - HTML5 Game created using JS Phaser3 library
  - Infinite levels, each level's difficulty rises with enemy numbers and speed increasing.
  - Custom game option added for expert players. Players can customize enemy number, speed, and spawn rate.
  - Enemies turn down corridors using a custom JavaScript function to randomize their direction.
  - Custom map built with Tiled application to mirror original Pac-man map.
  - Game created in less than 10 days of beginning to learn Phaser3.
- **JavaScript Wheel of Fortune** | [Live](#) | [GitHub Repo](#)
  - CSS styled to look like the real Wheel of Fortune board.
  - Virtual keyboard for mobile, also listens for keypress on real keyboard for guesses.
  - Correct guesses turn the corresponding block blue then reveals the letter as does the gameshow.
  - Spin results mirror the chances of the gameshow's real wheel.

## Military

- **United States Air Force** 09/2007 - 09/2010
  - Aircraft Armament Systems Technician - F-15E
  - Worked in teams | Achieved Journeyman Level | BTZ Nominee
  - Load Crew of the Year - 2008 | Distinguished Graduate of Technical School

## Experience

- **1&1 Internet, MyWebsite Technical Support** 01/2016 - 09/2016
  - 'Drag and Drop' Websites | E-Commerce | Sales Work

## Education

- **New York Code + Design Academy, Philadelphia, PA** 07/2018 - 10/2018
  - Completed 480+ hours of *Web Development Intensive Program* covering various Full-Stack technologies and various methodologies including OOP, TDD, pair-programming, AGILE, and SCRUM.
- **Temple University, Philadelphia, PA** 12/2015
  - Bachelor of Arts - *Media Studies and Production*
  - Inline Hockey 2013 - 2015