

Frederick Eugene Calk

Atlanta, GA • (404) 293-4280 • www.freddycalk.com • freddycalk@gmail.com

Education

Auburn University (August 2010 - May 2015) – Auburn, AL
Bachelor of Chemical Engineering
Minor: Business

DigitalCrafts (October 2015 - January 2016) — Atlanta, GA
16-week full-stack immersive web development bootcamp.

Work & Project Experience

ANGULAR FOOTBALL APP ([Side Project](#))

Game — HTML5, Angular, and jQuery (November 2015 - January 2016)

- HTML Canvas tag used to illustrate the game actions.
- Angular used to bind the scoreboard, team, and player data to the screen.
- All information is served up from a REST API hosted on Heroku and developed with Express, Node, and MongoDB.
- Accounts are verified with Passport, and Mongo connections are handled with Mongoose.
- All teams are objects with color properties (primary and secondary), a school logo, a background image, team symbol, and an array with 6 players.
- Each player is an object with a name, position, play type, strength attribute, speed attribute, and energy attribute.
 - Strength and Speed help determine chance of gain for each player.

Twitter/Yik Yak Hybrid ([PHP Social Site](#))

Social Media — PHP and MySQL (October 2015)

- Uses PHP and MySQL to query databases and manipulate data
 - Users can follow and unfollow any user on the site
 - The home page only shows the posts from people who you follow
 - Users can edit their profile picture, but the application is expecting an image already hosted somewhere
 - Users can only vote up or down on a post once, but can change their vote.
-

Skills

- HTML5, CSS3, JavaScript, jQuery, and SASS.
 - MEAN stack: MongoDB, Express js, Angular js, and Node js
 - LAMP stack: Linux, Apache, MySQL, and PHP (mostly MySQL and PHP)
 - MATLAB (MATrix LABoratory), mathematic programming language
-

Achievements and Involvements

- Charter Academic Scholarship (Auburn University)
- Deans List – Fall 2012
- Volunteering at the East Alabama Community food bank
- History of service through First Presbyterian Church of Atlanta
- Recreational Golfing, Running, and Intramural Softball League