

# Frederick Eugene Calk

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

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## 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.

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## Work & Project Experience

CALK LAWN SERVICES (Sole Proprietorship)  
*Lawn Care — Part-time (Summers 2004-2015)*

- Responsible for mowing, edging, blowing, and bagging of leaves and lawn trimmings.

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.
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## 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
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## 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