DANIEL ARANGO

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PROJECTS

Busboy App (Live Demo Github Repo)
- Styled Using **Sass** and **BootStrap**
- Solved several service industry problems:
    - Keep track of employees tips, hours, averages
    - Create and amend Schedules (includes employee chat option)
    - Managers may place orders and add new sale items
    - Improved communication between customer and employees
    - Includes POS: no more paper receipts!
- Utilized **D3** Library for designing (easy to comprehend) physical representations of trends in data
- Built in **Angular** for the data binding capabilities
    - Came up with creative ways to pass data from one controller to the next
- Currently re-platforming in **Ember** for better emphasis on OOP

Cash-Register (Live Demo Github Repo)
- A "Point of Sale" program which collected the total of a customers order, and calculates the change due assuming this were a physical transition
- Styled with **BootStrap**
- Built in **Angular** with two customized search algorithms:
    - One goes through a "purse" with coin objects and deems how many of each will be needed to obtain the proper change amount.
        - Book-ended algorithm with **JavaScript's** Round method to keep the floating decimal from disrupting proper calculation
    - Developed method to iterate through the change and only return once the proper amount of each coin has been discovered

Tic-Tac-Toe Game (Live Demo Github Repo)
- Originally designed with vanilla **JavaScript** but used this opportunity to practice **Angular's** "Factories" (classes) as well as asynchronous calling.
- The computer "AI" bases it's decisions off a simple yet powerful **MiniMax** algorithm.
    - Three levels of AI to choose from: Random, Novice - which makes a poor choice 40% of the time, and the unbeatable Master level which uses **MiniMax** to the fullest extent
- Used **Angular** Views for ease between multiplayer and single player
- Styled Using **Sass** and **BootStrap**

EDUCATION

Full Stack Engineering: MEAN & LAMP   2016
DigitalCrafts; Atlanta, GA
      * UI/UX Design Course
           • Participated in an extra elective with emphasis on the techniques, strategies, and artistic elements of front end design.
           • Improved and refined editing skills in both PhotoShop and Sketch as well as Wireframe tools and concepts.
     * Immersive Coding Bootcamp
         A 16 Week Course that meets 9-5 Monday through Friday covering in full detail the power, capabilities, and uses for both the MEAN (**MongoDb, Express, Angular, Node.js**) and LAMP (**Linux, Apache, MySQL, Postgres**) Full Stacks

(**B.F.A.**) **Record Production:** Tisch School of the Arts   2003-2007
New York University; New York City
     * Double Major in History (B.A.) - with an emphasis on early Middle Ages - at the College of the Arts and Sciences
     * Minor in Creative Writing

WORK HISTORY

Barback   06/2014 - 08/2016
Johnny's Hideaway - Buckhead, GA

Repair-**Shop Manager**   11/2011 - 06/2014
Baxendale Guitar - Athens, GA

Owner/Manager   05/2007 - 10/2011
3 Steps Management - Hillsborough, NJ

Head Amp Tech/Shop Manager   05/2004 - 10/2011
Sommatone Amplification - Somerville, NJ