**Muhammet Aydin**

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[Personal Site](https://muhammeta7.herokuapp.com) | [Github Profile](https://github.com/muhammeta7) | [LinkedIn](https://www.linkedin.com/in/muhammet-aydin/)

*Looking for a junior developer position to implement my developing, research, design, and customer service skills. Motivated team player looking to add strong organizational skills and passion to a team environment. Looking to learn from mid-level and senior developers to improve on my existing skill-set.*

**EDUCATION**

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| **Rutgers Coding Bootcamp** | Somerset, NJ |
| *Certificate, Full Stack Web Development* | 2016 - 2017 |

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| **Rutgers University** | New Brunswick, NJ |
| *B.S. Chemical Engineering* | 2008 - 2012 |

**skills**

* Node
* Express
* JavaScript
* jQuery
* GIT, Github
* mySQL
* MongoDB
* React
* Meteor
* HTML
* CSS
* Materialize
* Bootstrap
* Handlebars
* JSON
* APIs
* AJAX
* Command Line
* CS Fundamentals
* Sequelize, Mongoose
* Handlebars

**APPLICATIONS BUILT**

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| **MY SWOLENESS PAL** | Somerset, NJ |
| ***Lead Designer / Meteor Developer*** | December 2016 |

* Used React, Meteor, React Router and Material-UI to build app for users to create personalized routines and log workouts.
* Implemented accounts-ui Meteor package to incorporate user authentication into project.
* Researched and implemented Highcharts API to show progression graph for individual workouts.
* [Github Link](https://github.com/muhammeta7/Final-Project) | [Heroku App](https://my-swoleness-pal.herokuapp.com)

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| **MONGO SCRAPER** | Somerset, NJ |
| ***Full Stack Developer*** | December 2016 |

* Used Mongoose ORM to create an app that web-scrapes a site for articles and stores them into a MongoDB. For each article that is scraped, MongoDB stores the title, a brief summary, and a link to the full article.
* The stored articles are then rendered on screen using Handlebars. Included comment section for each article to make more interactive for users.
* [Github Link](https://github.com/muhammeta7/Scraper) | [Heroku App](https://nytsports.herokuapp.com)

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| **SEQUELIZED BURGER** | Somerset, NJ |
| ***Full Stack Developer*** | November 2016 |

* Used Sequelize ORM to create burgers and store them into a mySQL database.
* Structured files in MVC format and wrote controller to make create and update routes for new & existing burgers.
* [Github Link](https://github.com/muhammeta7/seqBurger) | [Heroku App](https://burgersequelized.herokuapp.com)

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| **TRAIN SCHEDULE** | Somerset, NJ |
| ***Full Stack Developer*** | September 2016 |

* Used HTML, CSS, and jQuery in unison with Google’s Firebase DB to store user input from a Materialize form.
* Manipulated user input with Moment.js to calculate and provide the next train arrival.
* [Github Link](https://github.com/muhammeta7/Train-Schedule) | [Heroku App](https://ma-train.herokuapp.com)

**Relevant work experience**

**RUTGERS CODING BOOTCAMP** Woodbury, NJ

Tutor October 2016-Present

* Assisted over 10 students from other universities in subject matter such as HTML, CSS, Bootstrap, Materialize, Node.js, Sequelize and Handlebars.

**THE DIVINCI GROUP LLC** Woodbury, NJ

***Design Engineer*** 2013-2015

Lockheed Martin M8820 Radiation Lab Relocation

* Collaborated with manufacturers to identify the optimal mechanical equipment to properly ventilate lab equipment designed to test mechanical hardware; ensured evaluations to assess weak points in the design of components supporting government programs.
* Designed mechanical, plumbing and fire protections system that led to $35,000 budget savings and potential future savings on corresponding utilities.
* Incorporated automatic tank level controller to prevent particulate filled water from entering local drainage system.

Ocean City Primary School

* Took ownership of full architectural, structural, mechanical, plumbing, and electrical survey for 65,000 square foot elementary school.
* Designed European chilled beam HVAC system to create savings on electrical utilities, lower installation costs, and minimize maintenance.
* Organized tasks and provided technical drawings fifteen percent under budget to ensure clients that one year construction deadline can be met.

Philadelphia Naval Facilities Engineering Command

* Completed full mechanical hanger support survey for 200,000 square foot building a month before deadline.
* Identified and communicated recommendations to poorly designed existing system, out of scope of work.
* Created drawings and incorporated contractor instructions to repair existing ductwork support system.
* Implemented new ductwork support system design to percent future failures and potential hazards to employees.

**RUTGERS UNIVERISTY PHARMACEUTICAL ENGINEERING DEPT.** Piscataway, NJ

***Research Assistant*** 2010-2012

* Investigated the effects of mixing process as well as powder properties to achieve high levels of homogeneity using both a continuous and resonant acoustic mixer.
* Executed design of experiments by varying the design parameters and material properties in powder homogeneity study and achieved a relative standard deviation of below 5% (indicative of optimal mixing).
* Carried out analysis of powder samples using NIR spectroscopy to measure physical properties, determine concentrations of each individual component, and mixing performances.