**Fady Naguib**

**fadynaguib1996@gmail.com** | **6237608087** | [LinkedIn Profile](http://linkedin.com/in/fady-naguib) | [GitHub Profile](https://github.com/fadynaguib96)

**SUMMARY**

MERN full-stack web developer with a wide array of engineering skills and knowledge. Primarily focused on building implementing the newest technologies to existing applications.

**EDUCATION**

**University of Arizona, Web Development/ Software Bootcamp** Graduating: December 2018

**Arizona State University, B.S.E. Chemical Engineering** Graduated: May 2017

**TECHNICAL SKILLS**

**Front End Languages:** HTML5, CSS3, JavaScript

**Frameworks:** React.js, jQuery, Bootstrap

**Back End Languages:** Express.js, Node.js, Java

**Version Control:** Git, GitHub

**Databases:** Firebase, MySQL, MongoDB

**Data Analysis and Statistics:** JMP, SSPS, Microsoft Excel

**Other:** Microsoft PowerPoint, Word, Project

**Certifications:** Six Sigma Green Belt

**WEB DEVELOPMENT EXPERIENCE**

**Wanderlust: Full-Stack Project 11/2018**

* Led team of four to develop and deploy an Airbnb-like application.
* Responsible for developing the backend of the application using MySQL to store rental listings and client’s reviews, node.js and express.js to build all necessary routes and interactions with the database.
* Helped the frontend team by setting the event listeners for triggering the AJAX request calls from the frontend.

**Pet Hub: MERN Application 12/2018**

* Led team of four in the development of Pet Hub, a website application dedicated to pet owners for communicating with one another, learning about raising pets, and finding veterinarians in their area.
* Developed a Reddit-style forum using MongoDB for storing user posts, Node.js and Express.js for back-end routing, and React.js as the front-end platform. The forum gives users the ability to post on other users' threads and comments for better communication.
* Integrated User Authentication with NPM package "passport" using JSON Web Tokens.
* Performed web scraping from multiple websites for articles and helped integrate the Yelp API for veterinarian recommendations.

**ENGINEERING EXPERIENCE**

**Senior Capstone Project 08/2016 – 05/2017**

* Designed plant layout, including system inputs/output processes, for a first of its kind hydrogen production plant, using pressure swing adsorption and a Selexol CO2 capture process to achieve hydrogen with a 99% purity.
* Successfully prioritized tasks and wrote a detailed project plan, as well as project’s timeline, costs and EH&S risks.
* Maintained a highly profitable model through plant design improvement, and continuous process optimization.

**Intruder Deterrent System - Catapult Process Implementation 01/2017 – 05/2017**

* Led team of six to design and develop a design of experiment model for a catapult device so that it can successfully hit dummy targets in the field.
* Accumulated all data points and identify the correct design parameters maximum efficiency.

**OTHER WORK EXPERIENCE**

**Arizona State University, Tempe, AZ: Research Associate 01/2018-04/2018**

* Exploring protein purification through Ion-exchange Chromatography, aiming to extract enzyme β-galactosidase from the bacteria cells.

**Modern Building Contracting Co., Cairo, Egypt: Construction Intern 6/2016 – 8/2016**

* As part of the labor team, worked in a total of five projects, performed construction tasks including polyurethane injection work inside concrete walls to prevent leaks from spreading, waterproofing rooftops using torch applied membranes, and concrete repair using various materials to fix cracks in concrete.