Shad Khan

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Education

University of Maryland   **Fall 2019**

B.S Computer Science, Business Analytics Minor   *GPA: 3.505*

- **Relevant Coursework:** Data Structures, Data Science, Computer and Network Security, Algorithms, Object Oriented Programming, Full Stack Web Development (Node.js/Flask), Database Systems, Data Modeling, Android Programming
- **Awards:** UMD President's Scholarship, Dean's List (Spring 2018, Fall 2018, Spring 2019)
- **Organizations**: Resident Assistant, Kappa Theta Pi Professional Technology Fraternity, Technica Hackathon Organizer

Technical Skills

Languages - Java, Python, SQL, R, HTML/CSS, JavaScript, C, OCaml, Ruby, Gherkin
Technologies - Node.js, Express, Handlebars.js, MongoDB, Bootstrap, jQuery, Git, Unix, Heroku, Pandas, Tableau

Work Experience

Fannie Mae   **Herndon, VA**

Software Developer Intern   *June – August 2019*

- Developed several features surrounding Fannie Mae's Commitment Eligibility and Loan Pricing Backend API's using the Java Spring framework and worked on UI features involving the Servicing Marketplace Application using Angular
- Wrote thorough backend JUnit tests, frontend Jasmine tests, and automation tests using Cucumber and Selenium
- Deployed code to higher environments/servers with Jenkins, and verified code quality and coverage with SonarQube
- Presented to team members, product owners, and stakeholders during demos and bi-weekly Agile sprint reviews

University of Maryland   **College Park, MD**

Database Systems (BMGT402) Teaching Assistant   *June 2019 – Present*

- Teach students about relational databases using Microsoft SQL Server and data visualizations with Tableau
- Conduct lab exercises and office hours to answer questions, debug students' code, and grade assignments

General Dynamics Information Technology   **Falls Church, VA**

Technical Services Intern   *June – August 2018*

- Developed the frontend of internal FUSE sites in SharePoint with HTML/CSS and JavaScript
- Documented my code and redesign to establish style guidelines for any future updates to the sites
- Presented finished work and communication procedures to project managers and team leads

Projects

Recipes Crowd-Sourced Application   **December 2018**

- Created a Node.js Recipes API and interactive front-end application in which users can add new recipes as well as filter through current ones by name, type of meal, time needed, and rating
- Utilizes MongoDB for data format and storage, Express.js for request handling and routing, Handlebars.js for dynamic web page templating, and HTML/CSS as well as Bootstrap and jQuery for the front-end of the site

Respect The 3   **December 2018**

- Wrote a tutorial on the analysis of the 3-point shot's adoption, impact, and success within the National Basketball Association, which walks users through the entire data science pipeline: data curation, parsing, and management; exploratory data analysis; hypothesis testing and machine learning; and final insights learned
- Uses Pandas and NumPy for manipulating data, scikit-learn for machine learning, Seaborn and Matplotlib for data visualization and informative statistical graphics, and SQL Joins for combining datasets