Bashir Duale

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WORK EXPERIENCE

Chainbridge Solutions **June. 2020 – present**
Software Developer *Fairfax, VA*

- Worked on an Agile team on the development of Chainbridge Solution's NRC project on the Entellitrak case-management platform
- Frontend development in Velocity, Javascript/jQuery, and HTML
- Backend development in Java and SQL

Chainbridge Solutions **Jul. 2019 – May 2020**
Software Development Intern *Fairfax, VA*

- Developed a machine learning PDF parser to extract clean, workable data from legacy PDFs in order to create/match person records on the Entellitrak case-management platform
- Implemented Maven, Java, OpenCV, Tesseract for image processing and feature extraction
- Incorporated front-end development tools (HTML/JavaScript, AJAX) to provide a user-friendly application on the Entellitrak case management platform

VACO **Jul. 2018 – Oct. 2018**
Google Student Innovator – Google Cloud Platform *Fairfax, VA*

- Organized events to promote and teach Google Cloud Platform techniques on campus to peers and faculty
- Reported directly to management teams working with Google to provide real-time feedback and inform on ongoing product development

EDUCATION

George Mason University **May 2020**
Bachelor of Science, Computer Science *Fairfax, VA*

- **Honors:**
  - Graduated *cum laude* - 3.6/4.0 GPA
  - Dean's List: Fall 2017, Spring 2018, Fall 2018, Spring 2019
- **Relevant Courses**: Data Structures, Analysis of Algorithms, Object-oriented Programming, Software Engineering, Databases, Data Mining, Artificial Intelligence, Software Testing and Maintenance, Web App Development
- **Organizations**: Student-Run Computing and Tech, Muslim Student Association, Brazilian Jiujitsu Club

SOFTWARE PROJECTS

NCAA Men's Basketball Tournament Predictor **Dec. 2019**

- Applied machine learning and data analytics to determine winners of NCAA March Madness games by creating an upset score numeric to predict if a lower seeded team will beat a higher seeded team
- Built multiple classification models in Python via Pandas, Numpy, Sklearn, and IPython.display to process advanced statistics provided by Kaggle on NCAA tournaments from 1985-2018
- For the 2019 tournament, earned 75% accuracy on the first 64 games and 65% accuracy on the predicted upset games

A Model of Success **Oct. 2018**
Hackathon: Patriot Hacks 2018

- Utilized machine learning and data analytics to determine if incoming students will require additional support to achieve future success
- Established a model in Python via Pandas, Numpy, and Sklearn to process large amounts of survey data to predict student's potential success and attained 75% accuracy
- Presented model in front of industry experts and received accolades based on model's efficiency/accuracy

SKILLS & INTERESTS

- **Skills:** Java, C, Python, HTML 5, CSS, JavaScript, SQL, Windows, Linux/Ubuntu, Eclipse, Jupyter Notebook, Atom, Git, GitHub, Junit, Selenium, Apache Maven, Atlassian Software, Agile Scrum, Software Development, Object-oriented Design, organization, prioritization, collaboration, communication, creativity/critical thinking
- **Interests:** sports (basketball/MMA), video games, traveling, Reddit, sleeping, tv/movies