

YASMINE AYAD SOFTWARE ENGINEER

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Skills

PROGRAMMING LANGUAGES

Java
Python
C/C++
Spring Boot
AngularJS
Swift
CSS
HTML
Golang
JavaScript

FRAMEWORKS

Django
Flask
Bokeh

TOOLS

Git/Github
Bash
Eclipse
Linux
Xcode
RESTful API
Maven

OTHERS

Algerian Arabic (fluent)
Project Management
French (competent)
Arabic (competent)

Education

Haverford College
Bachelor of Science Computer Science 2019
Cumulative GPA: 3.68/4

Aug. 2015 - May 2019

Employment

BNY Mellon
Lead Developer

Jersey City
June 2020 - Current

- Assisted with the implementation switch of RESTful APIs of core services from Golang to Spring Java of the internal cloud platform called App Engine. Wrote RESTful API endpoints of registration of NAS volumes and ports.
- Designed and implemented RESTful APIs and Angular UI of confirmation service to compare version 1 and version 2 of core services where other team members can call endpoints and see differences between the responses. Team members can also use previously added assemblies in comparison service.

Technology Leadership Program - Associate Developer

Jersey City, NJ
June 2019 - June 2020

- Standardized payload of all RESTful APIs of 5 core micro-services used on cloud platform.
- Wrote exporter to extract versions of infrastructure used on 500+ hosts.
- Implemented and developed program which allowed users to have multiple healthchecks per port for application deployment to cloud.
- Assisted with design and implementation of integration of alerts and notifications of payment fraud and validation platform in Java.

Haverford College
Digital Scholarship Assistant

Haverford, PA
Jan. 2016 - May 2019

- Created visual representations of data and updated visualization of photos on the latest projects and websites.
- Managed the layout and design of projects.
- Held meetings with clients from Haverford College, Bryn Mawr College, and Swarthmore College.
- Languages Used: HTML, CSS, Python, Flask, SPARQL

Data Visualization Intern

Haverford, PA
May 2018 - Aug. 2018

- Created 5 dynamic visualizations and research dashboards with Bokeh while conducting data analysis on mental health patients.
- Configured Nginx and Systemd to allow the main and Bokeh server to interact and allow for a browser-friendly format of dashboards.
- Improved query performance of dashboards using Postgresql.
- Led migration from Django 1.7 and Python 2 to Django 2 and Python 3.
- Worked with structured, semi-structured and unstructured data, determining the key takeaways or action items and communicating them visually.

Computer Science Teaching Assistant

Haverford, PA
Jan. 2017 - May 2019

- Introduction to Computer Science and Data Structures and Principles of Computer Organization teaching assistant.
- Graded and assisted in students' labs and homework.

Projects

Thesis

Sept. 2018 - May 2019

- Analyzed the COMPAS algorithm, which ranks criminal defendants low, medium or high risk of re-offending, and why it is biased towards African-Americans.
- Compared if using defendant conviction data rather than re-arrest data would cause less bias towards African-Americans looking at different machine learning discrimination aware algorithms.

Tiger Compiler

Jan. 2018 - May 2018

- Programmed and designed a functional compiler using C++ for the language Tiger and turned it into assembly language.
- Skills Used: C++, Eclipse, GNU Bison, Lex

Social Good Android App

Sept. 2018 - Dec. 2018

- Programmed an android app for psychology professor that allows therapists and patients to communicate using the Cognitive Behavioral Therapy technique.
- Worked in a group of four: took charge of the backend using Java to create functions that call and put patient information to and from Firebase.
- Skills Used: Java, Android Studio, Genymotion, Firebase

Activities

Recruitment at BNY Mellon

July 2019 - Current

- Conducted multiple interviews for the Technology Leadership Program
- Represented BNY Mellon at Grace Hopper Celebration. Recruited and interviewed multiple potential young women for multiple positions.
- Organized and hosted an information session for BNY Mellon at Alma Mater, Haverford College, for full-time and intern positions.

Repr - Co-Head

Aug. 2018 - May 2019

- Co-founder of computer science club for under-represented students in the technology field from Haverford College and Bryn Mawr college.
- Organize and plan events such as internship panel and resume and LinkedIn workshop.