YASMINE AYAD
SOFTWARE ENGINEER

Education

Haverford College   Aug. 2015 to May 2019
Bachelor of Arts Computer Science 2019

Relevant Courses: Introduction to Computer Science and Data Structures , Discrete Mathematics, Computer Organization and Architecture, Programming Paradigms: C/C++ and Unix , Principles of Programming Languages, Speech Synthesis and Recognition, Compiler Design, Human Computer Interaction

Experience

Data Visualization Intern · Haverford College   Haverford, PA
                                                              May 2018 to Current
- Created and customized dynamic visualizations and research dashboards with Bokeh while conducting data analysis on Quaker social classes.
- Configured Ngnix and Systemd to allow the main server 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.

iOS Developer · The Mystery Company   Bryn Mawr, PA
                                                              March 2018 to Current
- Built prototypes and designed an open-source iOS book tracking application, independently, in Swift and Xcode for mystery book lovers, with Firebase as the database.
- Implemented a way for users to track books read and where to buy them.
- Built a Firebase and custom login verification and storage.

Teaching Assistant · Haverford College   Haverford, PA
                                                              Jan. 2017 to Current
- Introduction to Computer Science and Data Structures teaching assistant.
- Graded students' labs and homework.
- Assist with student's labs and homework.
- Languages used: Python.

Linked Data library intern · Haverford College   Haverford, PA
                                                              May 2017 to July 2017
- Updated and expanded a database of linked Quaker profile, increasing database by 300%
- Created a SPARQL endpoint to allow users to upload data into the database.
- Created a Python script to allow conversion of CSV data to Turtle files then allow query.

Digital Scholarships Assistant · Haverford College   Haverford, PA
                                                              Jan. 2016 to Current
- 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

Projects

Twitter Stock Data - Sentiment Analysis and Prediction   Dec. 2017
- Created a web scraper using Python to extract monthly stock data from Twitter using company stock hashtag.
- Cleaned the stock data and performed sentiment analysis using Python and Javascript in order to predict the stock's monthly percent increase.
- Languages: Python

Web Application Hackathon — JP Morgan Chase & Co.   Nov. 2017
- Worked in a group of 6 to create a web application for a non-profit that allows students and recommenders to create, sign-in and submit an application. Allows graders to sign in and grade these applications for better accessibility.
- Won first place for the non-profit application and second place in the whole hackathon out of 9 teams where 50 people were picked out of 1000 to attend.
- Used Angular.js, Node.js, and bootstrap to develop the front end of the app and Firebase as the database to host the data of the applications.

Tiger Compiler   Jan. 2018 to 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

Microprocessor   Aug. 2016 to Dec. 2016
- Independently built a working microprocessor that does simple bitwise operations using assembly language.
- Languages/tools: HERA, Logisim

Contact

- ✉ yasmineayad89@gmail.com
- 🌐 minmin777.github.io/
- 📞 267-357-2593
- in yasmine-ayad-096b9b122/
- ⚙ minmin777

Activities

Muslim Student Association · Vice President   Aug. 2016 to Current
- Coordinated weekly discussions with an Imam about Islam and weekly Halal dinner.
- Planned talks about Islam and cultures in the Muslim community.
- Recruited new members through social media and events.

Hack the Evening Away hackathon · Primary Organizer/Technical Lead   June 2018
- Helped organize a hackathon that helped expose more students to the technical field.
- Created the website for the event.
- Technical mentor to people who want to be in the technical field.

Repr · Co-Head   Aug. 2018 to Current
- 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.

Skills

PROGRAMMING LANGUAGES
C/C++
Python
Java
Swift
Linux
SPARQL
Postgresql
Scheme/Racket

SCRIPTING/MARKUP LANGUAGES
JavaScript
CSS
HTML

ASSEMBLY LANGUAGES
HERA

FRAMEWORKS
Django
Flask
Bokeh

TOOLS
Git/Github
Bash
Eclipse
Linux
Xcode

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