

SAMER ELKHEIR

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Available: July – December 2019

EDUCATION

Northeastern University Boston, MA

September 2016 – Present

Khoury College of Computer Sciences

Candidate for a Bachelor of Science in Computer Science & Mathematics

Expected August 2020

GPA: 3.78 / 4.00

Honors: Dean's Scholarship, Dean's List (All Semesters)

Related Courses: Software Development, Database Design, Computer Systems, Object-Oriented Design, Algorithms and Data, Probability and Statistics, Differential Equations, Linear Algebra

TECHNICAL KNOWLEDGE

Languages: Java, Python, SQL, HTML, CSS, JavaScript/TypeScript, C, Racket

Frameworks: [Currently learning] MEAN stack (MongoDB, Express.js, AngularJS, Node.js), Bootstrap, React, Spring Web Model-View-Controller

Tools: Jira, JMeter, DynaTrace, IntelliJ, PyCharm, Visual Studio Code, PuTTY, WinSCP, MATLAB

EXPERIENCE

State Street Global Advisors Boston, MA

July 2018 – December 2018

Performance Engineer

- Managed multiple performance testing projects, including creating test plans, facilitating weekly meetings with stakeholders, and tracking action items.
- Executed performance tests to determine breakpoints of applications, and summarized findings in test reports that helped application teams identify and itemize key issues for their sprints.
- Created and updated Java and Python programs, such as log analyzers and server monitoring scripts, incorporated as part of best practices for analyzing test results and production issues for the team.
- Leveraged monitoring tools to isolate and identify production issues, and provided analysis to application teams that aided them in remediating these issues.

Islamic Center of Rockland Youth Group Valley Cottage, NY

July 2010 – August 2017

Youth Group Counselor

- Planned fundraisers that raised thousands of dollars for poor, disabled children in Lebanon.
- Coordinated youth group activities, counseled children during summer camp, and designed and distributed flyers and certificates (300+ hours).

PERSONAL PROJECTS

Website Portfolio: Built a personal website portfolio using HTML, CSS, and Bootstrap.

Gradebook: Currently developing a grade tracker for students with SQLite and Python's Tkinter library.

Agenda: Constructed a simple agenda planner web application utilizing the MEAN stack and Bootstrap.

ACADEMIC PROJECTS

Animator: Created a shape animator in Java by applying the MVC and visitor patterns.

Maze Generator: Designed a random maze generator in Java with Kruskal's and searching algorithms.

File System: Developed a FUSE file system driver in C and implemented basic file system operations.

INTERESTS

Strategy games, reading science fiction novels, learning Arabic