Lea Boyadjian

Software Engineer, Web and Mobile Developer

Seeking full-time roles in **Software Engineering, Backend Development, Frontend Development, Mobile Development starting immediately**.
Available for remote opportunities anywhere & hybrid/in-person in New York City.

Portfolio

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New York City, New York

WORK EXPERIENCE

Software Engineer, Prudential Financial
Newark, New Jersey | June 2022 - Present

- Developed a centralized dashboard for Content Management and Service (CMAS) using **React, Java,** and **MongoDB** for reporting, process visualization, and issue resolution for efficient and faster internal cross-functional troubleshooting efforts.
- Drove CI/CD pipeline adoption for the CMAS Dashboard by configuring **Jenkins** for automated continuous integration, publishing builds to Artifactory, and ensuring deployment readiness, which **enhanced release efficiency**.
- Contributed to the retirement of the on-prem CMAS application by modernizing it to **AWS** Cloud as US Business Document Services (USBIDS), which **enhanced performance and operational efficiency.**
- Built a **Java** API to monitor events across the USBIDS application by capturing by capturing timestamps and key fields for a new monitoring dashboard, which resulted in **reduced troubleshooting time**. Led testing and deployment across all environments (dev, QA, stage, and prod).

Software Engineer Intern, The Aerospace Corporation
El Segundo, California | June 2021 - August 2021

- Deployed **C++ code to an Arduino Due** for a **stepper motor controller to perform scanning motion with embedded measurement trigger** to allow multiple precision measurements along a non-stopping scanning motion to eliminate the need for a data-acquisition card.
- Developed the serial interface to define motion parameters and execute the motion control code within the Arduino interrupt loop.

Software Engineer Intern, The Aerospace Corporation
El Segundo, California | June 2020 - August 2020

- Utilized **Nondestructive Evaluation techniques** focused on **X-Ray Computed Tomography**.
- Supported the development of a simulated X-ray detector using **Python** then implemented a user interface for the digital X-ray detector using **Tkinter.**
- Focused on frontend technologies to visualize X-rays from given datasets to feed into the Python based user interface which then generated results of the scans.

EDUCATION

Rochester Institute of Technology
Bachelor of Science, Web & Mobile Computing

Rochester, New York
August 2018 - May 2022

Concentrations: Mobile Development, Wearable and Ubiquitous Development, Data Mining and Exploration | **Minor:** Gender Studies
Honors: RIT Founders Merit-based Scholarship, Dean's List
Involvements and Societies:

- **Resident Advisor -** Trained bi-annually to support residential students as a first-line response for crisis management, mental health needs, resource referrals, and community engagement.
- **Women in Computing** - Collaborated with diverse communities to enhance technical skills.
- **Google Developer Student Club** - Executive Board Member of the first RIT chapter of GDSC.
- **Area Office Assistant** - Supported coordinators of Deaf/Hard-of-Hearing community.

SKILLS

Program/Script
Java, Python, Javascript, HTML/CSS, MongoDB, MySQL, PHP, Swift UI, Kotlin

Libraries/Framework
React, Node.js, Springboot, Gradle, Maven, Tkinter, Flutter, JavaFX, NumPY, Bootstrap, MatPlotLib, p5.js, jQuery, WildFly, Pandas

Cloud/Hosting
AWS
Docker

Projects
Mass Vaccination
HTML/CSS/JS/MYSQL
Developed a service that state counties can use to create and oversee mass vaccination campaigns.

Whack-A-Mole
Java/JavaFX
Recreated the classic game of Whack-A-Mole with the use of socket programming and GUI

Interactive Hearts
p5.js
Created a website with color changing 8bit interactive hearts that "beats" to a music's rhythm.