Yagmur Egilmez

Seattle, WA | (607) 768-0812 | egilmezy1@gmail.com

Education

Binghamton University, State University of New York, Watson School of Engineering
BS in Information Systems Engineering   *December 2020*

Technical Skills

- C/C++
- Java
- R, MATLAB
- Python
- ASP.NET
- HTML, CSS
- SQL
- C#
- Linux/Unix
- Javascript/Node

Professional Experience

Istanbul Technical University   *July 2019 – August 2019*
Security Intern

- Analyzed web cookies to determine user browsing behavior and improve security practices
- Researched cookies in depth to determine the most efficient method of scaping all available cookies
- Developed a web scraping application to efficiently consolidate cookies using Selenium/Python
- Created reports to aid analysis using Python that consisted of the names of first- and third-party cookies, their source URL, and number of persistent cookies

Karya SMD Software Solutions   *May 2019 – July 2019*
Software Intern

- Developed a Python application using Django that converts unknown input to JSON in order to modernize the database schema
- Implemented the ability to check an input for valid JSON and convert it where necessary
- Created profile-based UI for users to view previously uploaded input or add additional input to be parsed
- Ensured that the JSON output of this process was compatible with SQLite and PostgreSQL

Project Experience

ECG Monitoring System   *May 2020*
Team member

- Created a functional ECG monitor using a Raspberry Pi, analog to digital signal converter, and heart rate sensor
- Developed a Python program plotted the ECG output graphically after analog to digital conversion

Senior Project   *September 2019 – December 2019*
Team member

- Enhanced the SBDC New York system which provides business counseling to small business owners by adding a real time chat advising option to the application
- Developed live chat functionality in the application using MVC ASP.NET framework and deployed using IIS

GUI & Windows Programming Semester Project   *September 2019 – December 2019*

- Developed a useable text editor using Windows Presentation Foundation
- Implemented a comprehensive menu bar with 13+ functional commands available to the user, such as save, override, etc.

Database Systems & IT Systems Semester Project   *February 2019 – May 2019*
Team member

- Developed a Java Spring Boot CRUD application using MySQL that tracked medication usage and prescriptions across multiple user profiles (doctor, patient, pharmacist, etc.)
- Created login, signup, and account management user interface that segmented application and database access based on user permissions

Additional Information

- **Certifications -**   German Language Certificate - Deutsches Sprachdiplom (B1)
- **Volunteering -**   2019-2020 Paws and Effect University Club – Volunteer at Local Animal Shelters