Team 6

Group: Nicholas Olivieri, Brian Giovinazzo, Ridha AlHamadani, Alejandro Almaraz

Chapter: 1

User — Web UI — Work (ChatBot) — Related Data API(s)
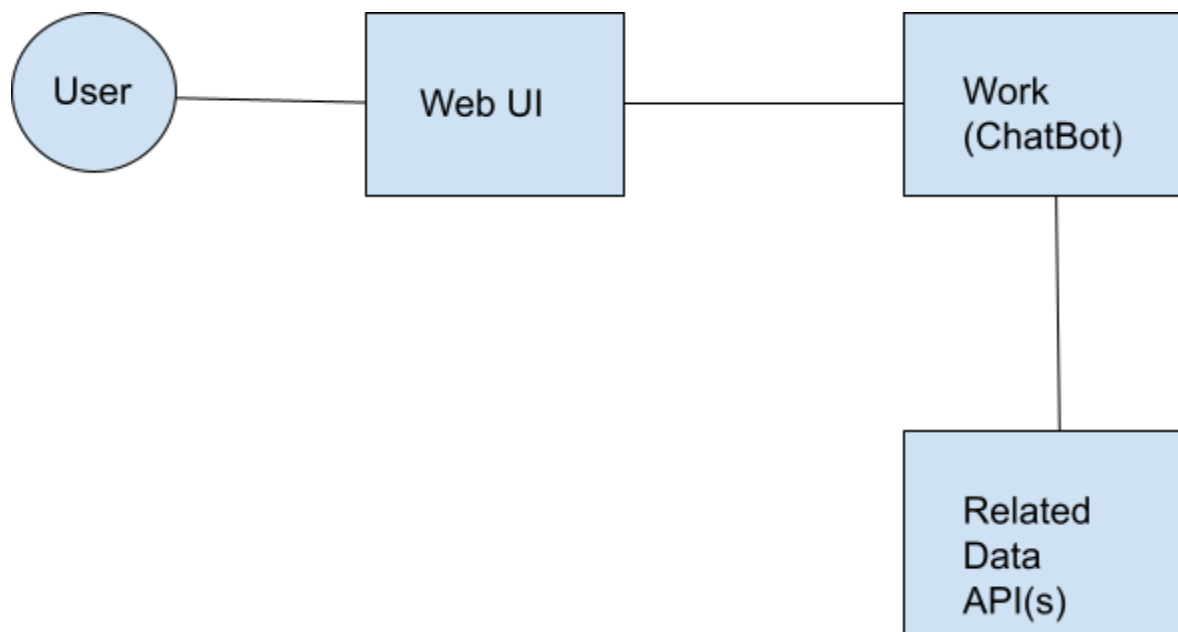
Chapter: 2

Web UI:

The Web UI will utilize Apache II as the web server. We will use Python or Java, JavaScript, NodeJs, Express, HTML, and CSS to render the page. The UI will be programmed so that site navigation is simple and easy to understand for the user. It will include text boxes and buttons for navigation as well as submission.

ChatBot:

For the actual bot in our project we plan to deploy it in a python environment. We will be using the built in python bot functions to lay the framework. Specific functions will be added for common interactions such as introductions and goodbyes. We will also add functions that will answer commonly asked questions relating to our bots focus (sports). Pre-written responses to questions such as "__ vs __ predicted outcome" will be put directly into our code.

For bot training we will have it be running through two (possibly more) APIs. One for English so we don't have to train the whole language, and another API that is connected directly to NBA.com to be able to team and player statistics.

In addition, our goal is to have a personalized experience for the clients, and, by doing so, successfully create a convenient solution for each inquiry.

API:

We have been researching the best APIs to use for our chatbot to be functional and informative as possible. We have decided to implement two main APIs into our chatbot.

The first API we will be utilizing is the GPT-3 API. This API will greatly benefit our chatbot as it will allow us to bypass the time-consuming process of training our chatbot from scratch. Instead, we will be able to utilize the advanced capabilities of the GPT-3 API to provide our chatbot with the information it needs to assist users with their gambling.

To start using the GPT-3 API, we will need to obtain a key from the OpenAI website. Once we have the key, we will then be able to provide our chatbot with the functionality it needs which, in this case, will be NBA information and gambling. Next, we will train our chatbot on the specific information it needs to assist users effectively. Finally, we will start setting up prompts and responses based on our chatbot's functionality.

The second API we will be utilizing is the NBA API. This API will provide us with all the information we need to effectively answer users' questions regarding statistics about players, teams, and games. Just like the GPT-3 API, we will need to request a key in order to access the NBA API. With both the GPT-3 API and the NBA API, we are confident that our chatbot will be able to provide users with the information they need to make informed decisions about their gambling choices.

Resumes

Nicholas Olivieri

Audubon, PA

nolivieri03@gmail.com- 610-331-8456

EDUCATION

Bachelor's of Science: Computer Science

West Chester University- West Chester, PA

January 2021 to June 2024 (expected)

Dean's List Recipient

3.80 GPA

Minor: Accounting

West Chester University - West Chester, PA

January 2021 to June 2024 (expected)

Cyber Security Certificate

West Chester University - West Chester, PA

August 2021 to June 2024 (expected)

Skills

- Microsoft Suites (including Access)

- Linux and Windows OS

- Java / Python / Haskell

- SQL

- SIEMs

<u>Activities and Awards</u>

Academic Scholarship

December 2020- Present

Academic scholarship awarded by West Chester University.

Dean's List (All Semesters)

Upsilon Pi Epsilon Member

National Honor Society for the computing and information disciplines

Rugby Team - West Chester University (Executive Position- Match Secretary)

Marine Option NROTC Scholarship

September 2019- March 2020

Earned $180,000 scholarship awarded to a select few individuals who desire to pursue an officer position in the United States Marine Corp. Required hours of training both physically and mentally to prepare for such a responsibility. Have since changed career paths; scholarship is no longer active.

Brian Giovinazzo

(209) 597-7875 | brian.giovinazzo@gmail.com

http://www.linkedin.com/in/brian-giovinazzo ·
https://github.com/Brian-Giovinazzo/School-Projects

Objective

To obtain a software engineering internship at a company that will utilize my technical skills and knowledge to effectuate impactful improvements in our world while fostering self-development.

Skills & Abilities

- Software: Java, JavaScript, Python, C, NodeJS, Express, MongoDB, CSS, HTML, XML
- Software Tools: Visual Studio, Eclipse IDE, GitHub, PyCharm, SolidWorks, Power DB
- Mechanical: knockout, drill press, grinder, impact driver, blowtorch, and various hand tools
- Electrical: multimeter, crimping tool, soldering, insulation tester, DLRO, and phase rotation meter
- Personal: fast-learner, works well in a team or individual setting, detail-oriented, initiative taker, life-long learner, and prompt
- Certifications: Substation Maintenance, Circuit Breaker/Medium-Voltage, Basic Electrical Troubleshooting, Battery Maintenance and Testing, Infrared Thermography I, Electrical Safety for Industrial Facilities

Education

B.S. Computer Science | West Chester University | Estimated Graduation Date: Dec 2023 | GPA: 3.87

- Awards: Dean's List (2022), and placed 3rd out of 18 in the WCU CS Programming Competition in Java (Spring 2022)
- Memberships: WCU Computer Science Club, Competitive Programming Club

N/A | United States Naval Academy | Sep 2007 – Sep 2010
- Mechanical Engineering and Economics majors. Commandant's List Spring of 2009. Sea Trials Leader for 2008 and 2009.

Experience

Software Intern | QSI Technologies Inc. | May 2022 - Dec 2022
- Implement front-end code in CSS, XML, and HTML to expand company capability from desktop-only website to the mobile platform
- Optimize web pages using responsive design for mobile use while prioritizing customers' requests of desired site features
- Developed enhancements that will be implemented in the next software update to service all internal and external QSI customers
- Meet with software team to present and obtain feedback on the mobile design

Hydro Maintenance Electrician | California Department of Water Resources | Nov 2014 - Nov 2021
- Supervised an Electrician Apprentice in day-to-day operations
- Led in planning and executing facility lighting project from start to finish
- Performed maintenance and repair of all electrical equipment and apparatus of a large hydroelectric installation, from 24 V to 230,000 V

Assistant Operator | Pactiv | Aug 2013 – Nov 2014
- Ensured proper operation of all machines in the production facility

Machinist's Mate and Midshipman | United States Navy | Aug 2006 – Nov 2010
- Trained to be a Mechanical Operator for submarines
- Held Secret level clearance

Ridha AlHamadani

Contact

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Coatesville, PA, 19320

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(484) 655-3646

E-mail
Ridhazaki25@gmail.com

Skills

Java

Python

C

Linux

Git

GitHub

Mathematica

Excel

MATLAB

Languages

Arabic

Education

2018-01 - Current

Bachelor of Science: Computer Science

West Chester University of Pennsylvania - West Chester, PA

- Member of Phi Sigma Pi Honor Fraternity
- Elected to Finance Chair for Phi Sigma Pi Honor Fraternity in Spring 2022
- Elected to Fellowship Chair for Phi Sigma Pi Honor Fraternity in Spring 2022
- Dean's List Fall 2020

Work History

2019-02 - Current

Team Leader

United States Marine Corps Reserves, *Baltimore, MD*

- Responsible for managing Junior Marines, enforcing rules and regulations, and upholding Marine Corps standards
- Ensured daily tasks were completed
- Understood daily capacity needs and relied on information from superiors and delegated tasks to junior marines
- Prepared equipment and ensured gear are ready for field operations
- Maintained physical fitness

2018-08 - 2019-01

Warehouse/Inventory Worker

Best Buy, *Downingtown, PA*

- Worked with co-workers to complete work assigned at the appropriate time
- Kept proper counts of products accurate
- Ensured products are in the correct place and correct price

Excellent

Certifications

2022-07   Java (Codecademy)

Alejandro Almaraz

Coatesville · 610-457-5760

alejo9973@gmail.com

Responsible and motivated student ready to apply education in the workplace. Offers excellent technical abilities with software and applications, ability to handle challenging work, working as a team, and an outside the box thinker.

Experience

Dates From 05/2022 – To 08/2022

CYBERSECURITY CONSULTANT, SAP AMERICA, INC.

- Successfully designed and implemented a malware analysis software.

- Successfully mitigated a cyberattack which is calculated to have an impact of 100K USD

- Identified an unauthorized access of information via Bluetooth which is often called "bluesnarfing".

Education

EXPECTED IN 12/2023

BACHELOR OF SCIENCE: COMPUTER SCIENCE, West Chester University of Pennsylvania

Currently a member of the Cybersecurity

Skills

- Managing Security Breaches
- Telecommunications Systems
- Monitoring Computer Viruses
- Reporting and Documentation
- Microsoft Office
- Critical Thinking
- Computer Skills
- Problem Solution
- Fluent in Spanish
- Working as a Team

Certifications

- CompTIA Security+

Additional Information

- Java
- Javascript
- Linux (Red Hat, Fedora)
- Github
- Unix