

RILEY THOMPSON

Chicago, IL 60614 · thompsonriley826@gmail.com · (630) 841 6414 · [Linkedin](#) · [Github](#) · [Portfolio](#)

EDUCATION

University of Illinois at Chicago - Chicago IL.
BS - Computer Science & Linguistics.

Graduating Class 2024
GPA: 3.6

Relevant Coursework: Data Structures, Computer Algorithms, Software Design, NLP, AI.

EXPERIENCE

Inquis Medical Company – Redwood City, CA.
Intern / RnD Consultant

June 2022-December 2023

- Developed full stack iOS application for automating data collection in testing environment, allowing for quick turnaround for data manipulation & analysis.
- Assisted in machine learning model development of big data classifications.
- Managed 5 testing software suites.(MATLAB, Solid Works, Sensor Pal GUI, LabVIEW)
- Created & developed a C++ program to scrape FDA website for up to date data on FDA clearances in the industry to forecast potential competitors.

CVS Health Corporation – Buffalo Grove, IL
Application Software Developer

June 2023-August 2023

- Analyzed Java source code to implement new features in Spring Applications which were then delivered in an Agile iteration flow.
- Tested 4 different Spring Boot applications during development phase.
- Managed version control in Git Lab of Spring applications of different features.
- Worked closely with QA team on troubleshooting and test cases in JUnit.
- Developed test data & confirmed results with SQL in SQLDeveloper & JDBC

Global Tech Experience – Remote
Web Development Trainee

August 2023 – December 2023

- Used HTML, CSS, Bootstrap and JavaScript to create dynamic websites & web apps for a fully functional web-experience.
- Improved, redesigned, and added features to existing code: Debugged code written by myself and others.
- Collaborated with others on the global tech team to complete tasks, such as integrating third part APIs.
- Conducted market research to identify product features on hospitality websites for Marriott consulting project, to create an interactive prototype and execute those changed to existing website

PROJECTS

NLP Chatbot - [Github](#)

July 2023-November 2023

- Developed a chatbot able to perform sentiment analysis and a stylistic analysis based on user input.
- Sentiment analysis is trained on 1000+ movie reviews with classifications (1 positive, 0 negative). Various word-embedding techniques(TFIDF, word2vec) building upon various machine learning models(Gaussian Naïve Bayes, Logistic Regression, LinearSVC, MLPClassifier) were used, tested, and analyzed for accuracy.

Hangman Server Program – [Github](#) ([Client](#), [Server](#))

August 2023-October 2023

- Developed full stack JavaFX hangman program, containing both client and server Maven projects utilizing the MVC design pattern.
- Server program utilizes multithreading & concurrent programming to allow for multiple client connections at the same time, playing separate games.
- Client program has a user-friendly Javafx GUI, allowing for connection to server on port #, and gameplay.

Automated Testing iOS Application - [Github](#)

October 2023 – Present

- Developed full stack iOS automated testing data collection application with SwiftUI, allowing the client begin test, add events with preset buttons, or custom buttons, and save the event with the timestamp as a CSV file to local device and email to specified address upon completing test.
- Iterated on application over several months, meeting with client various times every month updating application to fit real-world user needs.

Languages: Python, C/C++, Java, JavaScript, SQL, HTML, CSS, Swift

Technical Skills: JDBC, SQLDeveloper, MySQL, HTML, CSS, Machine learning, Scikit-learn, MATLAB, Spring Framework, Bootstrap, JavaFX, Maven, Git Version Control, Agile Methodologies, REST APIs, JSON, XML, RDBMS, UML

Soft Skills – Team Collaboration, Communication, Self-Directed learner