

Maegan A. Lucas, Software Engineer

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SKILLS

Programming Languages: C#, Java, HTML, CSS, XAML, C, SQL, Assembly, Arduino, Python

IDE Software: Microsoft Visual Studio, Visual Studio Code, IntelliJ, DBeaver, Code::Blocks, Arduino, PyCharm, Eclipse

Git Software: GitHub, GitHub Desktop, Sourcetree

Tools: Jira, Bitbucket, Jenkins, Confluence, Scrumwise

Platforms/Frameworks: Android, iOS, Multi-Platform App User Interface (MAUI), Bootstrap, Xamarin, Flask

EDUCATION

Embry-Riddle Aeronautical University (ERAU)

Bachelor of Science, Software Engineering (Awarded 4-year academic scholarship)

GPA: 3.89/4.00

Daytona Beach, Florida

May 2024

WORK EXPERIENCE

Honeywell International, Software Engineer I

May 2024-Present

Pittsburgh, Pennsylvania

- Developed cross-platform (Android/iOS) applications for voice-directed workflows to improve warehouse labor efficiency and accuracy.
- Led the design of feature allowing display and capture of End User Consent using C# and MAUI framework.
- Debugged mobile application to implement solutions for various bug fixes.
- Experienced Agile Scrum development processes.
- Participated in Hackathon developing dark theme UI prototype for voice-directed workflow application using C# and MAUI framework.

INTERNSHIP EXPERIENCE

Honeywell International, Software Engineering Intern

May 2023-August 2023

Pittsburgh, Pennsylvania

- Developed cross-platform (Android/iOS) applications for voice-directed workflows to improve warehouse labor efficiency and accuracy.
- Led the design and development of feature allowing signature capture, using C#, XAML, and MAUI framework.
- Developed unit tests, using C#, for new features.
- Debugged mobile application to implement solutions for various bug fixes.
- Experienced Agile Scrum development processes.
- Participated in Hackathon developing web UI for internal website using HTML, CSS, Bootstrap, and Flask.

PROJECT EXPERIENCE

NeMo Automatic Speech Recognition Website, 5-person team

Fall 2023 - Spring 2024

- Updated inherited website template to match school branding using HTML, CSS, and Flask.
- Created an Aviation Phraseology Glossary page using HTML and CSS.
- Updated website's Audio Replay page using HTML, CSS, and JavaScript.
- Created a Contact page for the project using HTML and CSS.
- Updated website's About page using HTML and CSS.
- Debugged website to maintain a clean appearance.

Book Nook, Individual

Spring 2023

- Developed a SQL database capable of storing, updating, deleting, and retrieving information about two different user types, books, and book reviews.
- Developed a desktop program, using Java, allowing user interfacing and data manipulation within the database.
- Created an Entity/Relationship Model to display the interactions within the database.
- Analyzed database relations to ensure all dependencies met 3rd Normal Form standards.

GitHub Repository: <https://github.com/maeganlucas/BookNook>

Roy G. Biv, Scrum Master, 4-person team

Fall 2022

- Developed a desktop program, using Python, capable of detecting the color of a desired range for users with color blindness of any form.
- Integrated the color-detecting feature with those of the other team members.
- Contacted team members to make sure our Agile Scrum Backlog was up to date.
- Presented Context, Conceptual, and Use-Case Diagrams for our program.

GitHub Repository: <https://github.com/maeganlucas/RoyGBiv>