

Maegan A. Lucas, Software Engineer

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SKILLS

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

EDUCATION

Embry-Riddle Aeronautical University (ERAU)	Daytona Beach, Florida
Bachelor of Science, Software Engineering (Awarded 4-year academic scholarship)	May 2024
GPA: 3.89/4.00	

WORK EXPERIENCE

Honeywell International, Software Engineer I	May 2024-Present
<ul style="list-style-type: none">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.	Pittsburgh, Pennsylvania

INTERNSHIP EXPERIENCE

Honeywell International, Software Engineering Intern	May 2023-August 2023
<ul style="list-style-type: none">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.	Pittsburgh, Pennsylvania

PROJECT EXPERIENCE

NeMo Automatic Speech Recognition Website, 5-person team	Fall 2023 - Spring 2024
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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.	
<i>GitHub Repository:</i> https://github.com/maeganlucas/BookNook	
Roy G. Biv, Scrum Master, 4-person team	Fall 2022
<ul style="list-style-type: none">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.	
<i>GitHub Repository:</i> https://github.com/maeganlucas/RoyGBiv	