Maegan A. Lucas, Software Engineer

(850) 272-5005 | maeganalucas@gmail.com
www.linkedin.com/in/maegan-lucas | www.maeganalucas.com
www.github.com/maeganlucas

SKILLS

Programming Languages: Java, C#, C, XAML, HTML, CSS, SQL, Python, Assembly, Arduino
IDE Software: Microsoft Visual Studio, IntelliJ, DBeaver, PyCharm, Code::Blocks, Arduino, Eclipse
Git Software: GitHub, Sourcetree
Tools: Jira, Bitbucket, Jenkins, Confluence, Scrumwise
Platforms/Frameworks: Android, iOS, Xamarin, Multi-Platform App User Interface (MAUI), JavaFX, Bootstrap, Flask

EDUCATION

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

INTERNSHIP EXPERIENCE

Honeywell International, *Software Engineering Intern*   May 2023-August 2023
- Developed cross-platform (Android/iOS) applications for voice-directed workflows to   Pittsburgh, Pennsylvania
  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

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

INVOLVEMENT

Society of Women Engineers   August 2020-Present
Introduce a Girl to Engineering Workshop Committee   May 2022-Present
- Planned the "Introduce a Girl to Engineering Workshop" (IGEW) along with other committee members.
- Decided which activity modules were to be included in the event.
- Designed ads to spread the word about the IGEW event.

Tau Beta Pi – Engineering Honor Society   November 2022-Present
Secretary   May 2022-May 2023
- Maintained an accurate record of active and inactive members.
- Communicated between other executive board officers and the chapter.
- Ensured all reports were submitted to headquarters in a timely manner.
- Notified chapter of all meetings and events.