July 21, 2021

Dear Sir or Madam:

I am writing this letter to confirm that Ms. Sirine Achour completed an internship working with my research group at the University of Michigan from June 15, 2021 to July 15, 2021.

During this period, she performed the majority of the work needed to migrate production and development versions of a legacy application to a new platform running with the most current software. This work involved comparing and merging files and code from the production and development versions, creating an updated code repository, and preparing a Dockerfile to run the application in a Docker container. Sirine also analyzed and documented differences in the databases behind the production and development versions (examining both the database schemas and content) and made substantial progress towards developing a process to merge the databases. Not least, before performing the work to migrate the application, she was able to get the application running on its current platform (the application had not been working for many months). Throughout all of her work, Sirine kept meticulous documentation that will greatly facilitate future work.

Sirine's work was both innovative and of the very best quality. Her written and oral communication skills are excellent. She is an outstanding programmer with well developed software engineering skills and is a pleasure to work with. In the internship, she demonstrated exceptional abilities in "application archaeology" and documentation.

In short, I am happy to report that Ms. Sirine Achour completed this internship in a highly satisfactory manner. Please feel free to contact me if you need any further information regarding Ms. Achour.

Sincerely,

Bruce R. Maxim
Nattu Natarajan Professor of Engineering