

1077-F1-879 **Michael Josephy*** (michael.josephy@ucr.ac.cr). *Linear Algebra Projects for Computer Science Majors in Costa Rica*. Preliminary report.

For the last several years we have been coordinating the linear algebra course required of Computer Science majors at the Universidad de Costa Rica. Students must submit two or three group projects during the semester, following an outline of some six questions distributed online. The project obliges the students to look more deeply into an advanced topic in linear algebra, using internet resources, mathematical software, and their own analysis. Each term the project is different. Recent subjects have included Hilbert matrices, Möbius transformations, Moore-Penrose inverses, Sudoku matrices, rank one matrices and the LU-decomposition. (Received September 13, 2011)