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MS Portfolio - Fall 2022 Graduates

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Instructions

Welcome to the Online MS in Computer Science. Every student in the program must build and submit a portfolio prior to graduation. The portfolio is the principal artifact used by the department to monitor progress of the students enrolled in the online M.Sc. degree. This document is intended as a guide. Adhering to these guidelines is a requirement for completion of the program.

Complete your Portfolio and M.Sc. Coursework Audit Form and submit both here (bottom of the page). Email Professor Zhang (peng.zhang@vanderbilt.edu) when you have submitted them.

Every student in the online M.Sc. program in Computer Science is required to assemble and submit a portfolio for review. Completed portfolios must be submitted for review. When the portfolio has been reviewed by a faculty member, the faculty member will sign the cover page form and transmit the portfolio to the DGS for consideration by the faculty.

At least **one month prior to the end of classes** in the semester that the student is graduating, the student should assemble a portfolio and submit it. However, students are encouraged to submit earlier to ensure that they have time to fix any issues in their portfolios.

Key Requirements

It is important that you exactly follow the requirements for the portfolio. Each section listed in the portfolio structure must be included. For each major section, please begin the corresponding section on a separate page with a 14pt header identifying the new section. All sections are required to be included.

The portfolio should be submitted as a PDF. No other formats will be accepted.

Although code is difficult to reproduce in a PDF, you can NOT submit Git repositories, zip files, or other materials for the artifacts. You should select appropriate code segments to excerpt into the portfolio. In addition, you may include a link to the full repository, but this can only be done in addition to code excerpts within the PDF. If you choose to supplement your code excerpts with links, any links to repositories, videos, etc. must be publicly available. If you do not want to make the material publicly available, you should not include a link and should instead rely only on excerpts from the materials.

Portfolio Sections

1. Summary Data

Personal information (name, date entered program, full or part time, principal source of support)
Name of academic advisor
Courses and Grades (course, semester taken or planned, name of instructor, grade received)
Statement of Professional Goals and Achievements
Explain your professional goals
Describe your achievements for the academic year
Describe your interest in specific topic areas of Computer Science

2. Curriculum Vitae
The CV should contain the following information: Academic degrees, professional employment, honors and awards, service, publications (if applicable), expert skills in computer science.

3. Knowledge and Mastery of Computer Science Concepts
A student in the M.Sc. degree program in Computer Science must be able to demonstrate knowledge and mastery of computer science concepts.

A student is expected to have the ability to apply computer science concepts in order to solve advanced problems. One artifact is required to demonstrate such ability. The artifact can be a course assignment or project. The statement of the problem should be also included.

A student is expected to contribute substantially to significant software artifacts. One such artifact is a required component for the portfolio. Include a copy of one such artifact which may contain design documents, software documentation, and actual code.

4. Communication Skills in Computer Science

A student in the M.Sc. degree program in Computer Science must be able to communicate computer science concepts in an effective professional manner.

One artifact is required to demonstrate the student's oral or writing communication skills. The artifact can be a project report or a presentation that was performed for a Computer Science course. If the student has participated in work that resulted in publications or presentations in technical conferences, the corresponding artifacts should be included with an explanation clarifying the student's contribution.

5. Conduct Independent Inquiry in Computer Science

A student in the M.Sc. degree program in Computer Science must demonstrate competence in the conduct of independent inquiry; compilation of a written account of such inquiry, its outcomes, and conclusions.

One artifact is required to demonstrate the student's competence to conduct independent inquiry in computer science. Such an artifact should document work performed for a project in a Computer Science class, for an independent study class, or for a research project. The artifact must include all components that demonstrate the conduct of the inquiry such as problem statement, design and research methodology, project reports, and software artifacts.

Coursework Audit Form

In addition to the portfolio, you must complete a M.Sc. Coursework Audit Form. We strongly encourage you to keep the course audit worksheet up to date as you progress through the program. There may be special topics or other courses that are offered that are not on the current worksheet. If you take one of these classes, please reach out to the director of your program and they will provide you with an updated course audit worksheet that includes these courses.

Attachments

Submit Assignment

Files to submit *

(0) file(s) to submit

After uploading, you must click Submit to complete the submission.

Add a File   Record Audio   Record Video

Comments

Submit   Cancel