**Towson University**

**Department of Computer & Information Sciences**

**COSC880/AIT 880**

**Student’s Name:** Mary J. Snyder **Student’s No:** 0585035

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**Tentative Project Title:** Upset Potential in the National Football League (NFL)

**Graduate Credits Completed:** 27

**Semester to Register:** Fall X Spring\_\_\_\_ Summer\_\_\_\_ Year 2016

**Advisor’s Name:** Michael P. McGuire

**Project Description/Abstract:**

*The project description/abstract should be approximately 200-300 words and provide an appropriate overview of the proposed project including context, problem statement, motivation, proposed approach and contribution. .*

**Project Topics to be Studied**:

*Provide a list of the key, significant topics that will be studied in order to achieve the Project Objectives.*

**Project Objectives:**

*Provide a description/list of the specific learning, application, implementation and/or research objectives of the proposed project. This list should not include tangible project outcomes (see Deliverables section).*

**Deliverables:**

*Provide a list and description of the tangible outcomes/materials (e.g., source code, requirements/design documentation, user documentation, test-case results, functioning program/website, etc.) that will be developed for the proposed project.* ***Deliverables should be concrete, specific, and achievable.***

**Anticipated Project Timeline:**

04-May: Initial project discussion

27-May: Proposal submission

29-Aug: Research of potential attributes

12-Sep: Initial data accumulation

26-Sep: Analysis of attributes and algorithm testing/tuning

27-Oct: Begin live testing

14-Nov: Results analysis/conclusions

02-Dec: Final report submission

Dec: Public Presentation

*Provide a detailed list/table itemizing each of the proposed project’s steps and deliverables, listed above, and proposed completion dates.* ***Your timeline must include at least four scheduled progress meetings with your project advisor. Your project timeline should also include a submission date for the final report, which must be provided to your faculty committee at least one week before the last day of classes.***

**Reading/References List:**

*Provide* ***a list of books, articles, websites, and/or references*** *that may be used to achieve the stated objectives and complete this project. T****his list must include at least 6-8 items with complete information about the author, year, publisher, etc.***

**Completed Graduate Courses:**

|  |  |  |  |
| --- | --- | --- | --- |
| ***Number*** | ***Course Name*** | ***Semester*** | ***Grade*** |
| COSC 578 | Database Management Systems I | Spring 2014 | A |
| COSC 650 | Computer Networks | Fall 2014 | A- |
| COSC 602 | Computer Vision and Image Processing | Fall 2014 | A |
| COSC 600 | Advanced Data Structure and Algorithms | Spring 2015 | B+ |
| COSC 609 | Software Project Management | Spring 2015 | A- |
| COSC 519 | Operating System Principles | Fall 2015 | A |
| COSC 647 | Application Software Security | Fall 2015 | A |
| COSC 757 | Data Mining | Spring 2016 | A |
| COSC 617 | Advanced Web Development | Spring 2016 | A/B |

**Projects Done in Other Courses:**

|  |  |
| --- | --- |
| **Course Number** | Project Description |
| COSC 757 | 1. *Violent Crime in Communities – analysis of dataset containing Federal Bureau of Investigation (FBI) Uniform Crime Report (UCR), Census, and LEMAS survey data relating to the community and law enforcement in order to understand how the indicators may predict and increased or decreased per capita crime levels.* |

**Project Requirements and Evaluation:**

1. Reading and presentation *AA%*

2. Implementation *BB%*

3. Examination *CC%*

4. Written report to the instructor *DD% (required regardless of % points)*

5. Public Presentation \* *EE% (required regardless of % points)*

\* The instructor/student will announce the presentation time and place to the Department faculty and students. Those interested in the topic may attend the presentation.

I, \_\_\_\_\_st*udent name*\_\_\_\_\_ propose to complete this project during the \_\_*fall/spring/summer*\_\_ semester of \_\_*year*\_\_ and understand that this project and its derived materials (e.g., source code, written reports, presentation slides) are to reflect my own work, unless explicitly and appropriately referenced. Furthermore, I understand that plagiarism or other unattributed use of material not written by me is completely unacceptable, and **will be considered sufficient cause for a failing grade on the project.** For additional information on academic integrity policy at Towson University, I will visit [www.towson.edu/provost/resources/studentacademic.asp](http://www.towson.edu/provost/resources/studentacademic.asp) .

Student’s Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Instructor’s Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Graduate Program Director’s Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_