TEMPLATE FOR THE UMB MASTERS THESIS

A Thesis Presented

by

STUDENT NAME

Submitted to the Office of Graduate Studies,
University of Massachusetts Boston,
in partial fulfillment of the requirements for the degree of

Master of Science

December 2013

Computer Science Program

TEMPLATE FOR THE UMB MASTERS THESIS

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STUDENT NAME

Approved as to style and content by:

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First Last, Assistant Professor
Chairperson of Committee

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First Last, Professor
Member

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First Last, Assistant Professor
Member

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                             First Last, Program Director
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                             First Last, Chairperson
                             Computer Science Department

ABSTRACT


TEMPLATE FOR THE UMB MASTERS THESIS


December 2013


Student Name,
B.S., University of Massachusetts Boston
M.S., University of Massachusetts Boston


Directed by Assistant Professor First Last


The abstract is written here

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CHAPTER 1

INTRODUCTION

This is a sample chapter and here is a citation! [CLD11].

Now a list!

- An item in the list

- Another item!

### 1.0.1 Here is a subsection

Lets talk about Figure 1. It's shown somewhere in this paper and it will appear on the list of figures. We can also talk about Subfigure 1(a)



(a) This is a subfigure the left          (b) This one is on the right
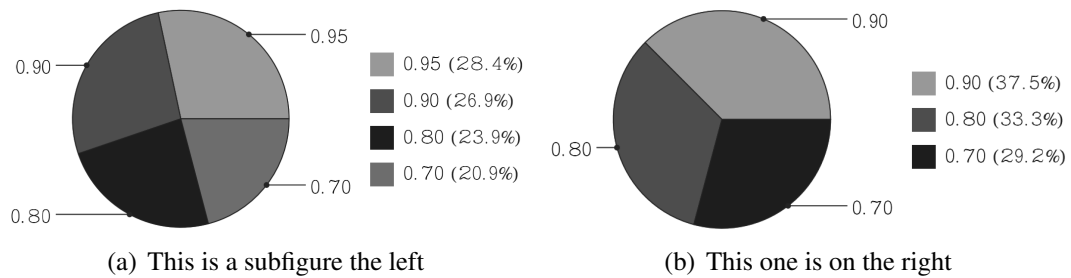
Figure 1: A description of the figure

<center>CHAPTER 2</center>

<center>ANOTHER CHAPTER</center>

We can also do some math!

$$fitness = F1 = \frac{2}{\frac{1}{recall} + \frac{1}{precision}}$$

And then talk about it inline: $precision = \frac{true\,positives}{true\,positives + false\,positives}$

### 2.0.2 Some method

There is a method presented in Algorithm 2.0.1, it is identified by reference.

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**Algorithm 2.0.1:** Perform Random Crossover $v \otimes u$

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**Input**: $v$ : Feature Subset Vector

$\quad\quad\quad u$ : Feature Subset Vector

**Output**: $z$ : Feature Subset Vector

1 **for** $0 \leq i <$ *number of possible features* **do**
2 $\quad$ **if** $0.5 < Random(0,1)$ **then**
3 $\quad\quad$ $z[i] \leftarrow v[i]$
4 $\quad$ **else**
5 $\quad\quad$ $z[i] \leftarrow u[i]$

---

CHAPTER 3

TABLES

Lets make a table that will show up on the list of tables. Shown in Table 1

| Method | Complexity |
|--------|-----------|
| GRS | $O(ic\Gamma)$ |
| WRS | $O(ic\Gamma^2)$ |
| WRSAS | $O(ic\Gamma^2)$ |
| SCCS | $O(i'rc\Gamma^2)$ |

Table 1: The complexity of the algorithms presented.

**Acknowledgment**

REFERENCE LIST

[CLD11] Joseph Paul Cohen, Siyi Liu, and Wei Ding. "Genetically Enhanced Feature Selection of Discriminative Planetary Crater Image Features." In *Proceedings of the The 24th Australasian Joint Conference on Artificial Intelligence*, Perth, Western Australia, December 2011.