

**UNIVERSITY OF SOUTHAMPTON**  
Faculty of Physical Sciences and Engineering

An individual project report submitted for the award of  
Bachelor of Science

Supervisor: Dr. Nawfal Fadhel  
Examiner: Dr Person B

**Electronics and Computer Science**  
**Faculty of Engineering and Physical**  
**Sciences**  
**University of Southampton**

by James D'Alton

October 21st, 2019



UNIVERSITY OF SOUTHAMPTON

ABSTRACT

FACULTY OF PHYSICAL SCIENCES AND ENGINEERING

A individual project report submitted for the award of Bachelor of Science

by James D'Alton

This is the abstract





# Contents

Acknowledgements	xix
1 Introduction	1
2 Project Goals	3
3 Background and Literature Review	5
4 Designs	7
5 Implementation	9
6 Testing and Software Validation	11
7 Results and Analysis	13
8 Evaluation	15
9 Project Management	17
10 Conclusions	19
11 Future Work	21
12 Bibliography	23
Bibliography	25
Appendix A: Photos	27
Appendix B: Code Listings	29





# List of Figures



# List of Tables



# Listings



## Acknowledgements

Here are some acknowledgements





# Chapter 1

## Introduction

Example Introduction



## Chapter 2

# Project Goals

Example Chapter



## Chapter 3

# Background and Literature Review



## Chapter 4

# Designs





## Chapter 5

# Implementation



## Chapter 6

# Testing and Software Validation



## Chapter 7

# Results and Analysis



## Chapter 8

# Evaluation





## Chapter 9

# Project Management

It works.



## Chapter 10

# Conclusions

It works.



## Chapter 11

# Future Work

It works.



## Chapter 12

# Bibliography

It works.





# Bibliography



# Appendix A: Photos

This is an appendix



# Appendix B: Code Listings

This is an appendix