****** **Faculty of Arts, Computing, Engineering & Sciences**

Department of Computing

Final Year Individual Project (SEGM)

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# Executive Summary

# Research

## Possible Optimisations

### For loop unrolling

### Recursion optimisation

## Language choice

### Python

### Java

### C++

## Abstract Syntax Tree

## Implementation Platform

### Eclipse Plugin

### Atom Package

### Command Line Interface

# Design

## Parser

## Abstract Syntax tree

## Objects Orientation

## Tree traversal

## Interface

## Testing

# Implementation

# Bibliogrpahy