





# APOSTOLOS MAVROGIANNAKIS

Undergraduate student in Computer Science at University of Crete with thirst for knowledge.  
Seeking Security and Cryptography skills to elevate my career as a Science Researcher.





## CONTACT

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## PROGRAMMING



Java  
C  
R  
C++  
Python  
HTML/CSS  
LaTeX



## EDUCATION



 September, 2016 - June, 2022  
 University of Crete **Bachelor in Computer Science**  
 *Work in progress*  
 Ioannis G. Tollis **Thesis - Graph Visualisation**

## PROJECTS

 2021  
 Basic Fraud Detection Analysis  
Taking as input a Dataset of transactions. Creating a Networkx graph & calculating the Pagerank, EigenVector Centrality, Closeness Centrality for each node. Using scikit learn models to predict if a transaction is fraudulent.

 2021  
 Alpha-Language Compiler  
Fully-completed compiler for Alpha Programming Language, using Lex and Yacc. Implementing Lexicographic Analysis, Syntax Analysis and producing Intermediate Code and Target Code.

 2020  
 Automated Database System  
Implemented in MySQL programming language. Includes Entity Relationship Model. Front and Back end.

 2019  
 Information Retrieval System  
Implemented in Java programming language. Using 110GB Collection.

## RELATED COURSES

Files and Databases	<i>Feb, 2021</i>
Algorithms and Complexity	<i>June, 2021</i>
Object Oriented Programming	<i>Sep, 2020</i>
Introduction to Information Security Systems	<i>Will attend</i>
Complex Networks Dynamics	<i>Jan, 2022</i>

## LANGUAGES

Greek	<i>Native Language</i>
English	Michigan State University Proficiency IELTS, Exams in March

## HOBBIES

Soccer, Motorcycles, Running, Travelling