




# 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  
 January, 2022 - March, 2022  
 Ioannis G. Tollis



Bachelor in Computer Science

Thesis - Hierarchical Graph Visualization



## 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 sci-kit 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	Feb, 2021
Algorithms and Complexity	June, 2021
Object Oriented Programming	Sep, 2020
Introduction to Information Security Systems	Will attend
Complex Networks Dynamics	Jan, 2022

## LANGUAGES

Greek	Native Language
English	Michigan State University Proficiency IELTS, Exams in March

## HOBBIES

Soccer, Motorcycles, Running, Travelling