

RAFAEL KETSETSIDES

PERSONAL INFORMATION

Born in Greece, 7 October 1998

email rketsetsides@gmail.com

website <http://rafket.github.io>

phone (857) 971-1015

current address 234 Eliot Mail Center, Cambridge, MA 02138

EDUCATION

2017–2020 *Computer Science B.A.*

Harvard College Most recent GPA: 3.55/4.0 · Currently a sophomore. Have taken courses on Machine Learning, Systems, and Advanced Algorithms. Currently taking courses on Data Systems and Sketching Algorithms.

2012–2017

Mandoulides High School Finished high school in Greece, participated in school orchestra, CS and Math clubs, and received the Evangelos Mandoulides award upon graduation.

COMPETITIONS

Mathematics

2015 · **Gold Medal** at the 3rd European Mathematical Cup

2015 · Member of the National Mathematics Team – **Bronze Medal** at the 32nd Balkan Olympiad

2013 · Member of the Junior National Mathematics Team for the 17th Junior Balkan Olympiad

2013 · **Gold Medal – First Place** in the Greek National Olympiad

Computer Science

2017 · Member of the official Harvard College ACM/ICPC team

2016 · Member of the National Informatics Team for the 25th Balkan Olympiad and the International Olympiad – **Bronze medal** in the Balkan Olympiad

2013 · Member of both the Junior and the Senior National Informatics Teams for the 7th Junior Balkan Olympiad and the 21st Balkan Olympiad

2012 · Member of the National Informatics Team for the 6th Junior Balkan Olympiad

PROJECTS AND PUBLICATIONS

Nov. 2015 *Undergraduate Student Conference – UoM*

PAM duress module A Linux Pluggable Authentication Module providing the ability to setup a secondary password whose usage would result in a user-predefined action. Example actions would be erasing files, or sending an emergency email (if internet connection has been established).
Paper: <http://rafket.github.io/content/Paper.pdf> · Proof-of-concept: http://github.com/rafket/pam_duress

Flash game rewrite Completely rewrote the flash game puji using JAVASCRIPT/HTML5.
Repository: <http://github.com/rafket/puji-remake>

Greek platform for preparation for CS Olympiads Created and contributed to a git-based, jekyll-powered wiki and codebase called Kallinikos. Kallinikos aims to help high school students aiming to compete in computer olympiads by providing a complete reference for all the techniques and algorithms needed.
Main website: <http://kallinikos.github.io> · Algorithm implementations: <http://github.com/kallinikos/algorihms>

Simple art generation toy Small toy in JAVASCRIPT that generates SVG images (without any libraries) resembling symmetric mandala. An implementation in C++ is also included.
Live website: <http://rafket.github.io/mandala> · Source code: <http://github.com/rafket/mandala>

OTHER

Certificates TOEFL: 117/120 · ECPE: High Pass · SAT Reasoning: 2160/2400 · SAT Math 1, Math 2, Physics: 800, 800, 800

Internship Internship in Hyphen SA as a web designer and curriculum planner for the Young Pioneers Project – *July, 2015*

Coursera Attendance and acquisition of certificate of accomplishment from Cryptography I class (by Stanford University) on Coursera

Winter Computer Camp Invitation (among 100 students internationally) and participation at Winter Computer Camp 2015 in the Moscow Institute of Physics and Technology (MIPT) in Dolgoprudny, Moscow

Mentoring in Computer Science Voluntarily prepared high school students for the National Olympiad in Informatics at the school's preparation program – *2016-2017*