

## EDUCATION

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- **Diploma, National Technical University of Athens** Athens, Greece  
*Grade: 8.5/10(upper 9% among approximately 350 graduates, expected)* Sep. 2012 – Mar. 2019
  - **BSc & MSc, School of Electrical and Computer Engineering:** 5-year joint degree, 300 ECTS
  - **Major:** Computer Science, Computer Systems, Computer Networks
  - **Grade in last 2 years:** 9.3/10
  - **Selected Projects:**
    - **Hidney-Milner type inference** 🐙 Programming Languages II, NTUA, Fall 2016  
→ *Technologies:* Haskell
    - **Entertainment-search platform** 🐙 Software Engineering, NTUA, Fall 2017  
→ *Role:* Project Leader(team of 7), backend developer, frontend developer  
→ *Technologies:* Sping(Java), Angular(Typescript), OAuth 2, MySQL, Elasticsearch, MongoDB, IntelliJ, git  
→ *Methodology:* agile
    - **Dana (Turing-complete imperative PL) compiler** Compilers, NTUA, Spring 2017  
→ *Implementation:* lexer, parser, type checker, LLVM interpreter  
→ *Technologies:* OCaml, ocamllex, menhir, LLVM
    - **LinuxTNG Linux character-device driver** 🐙 Advanced Operating Systems, NTUA, Fall 2017  
→ *Technologies:* C, qemu KVM
  - **Thesis:** Tail-calls in lazy functional languages
- **Nationwide Entrance Examination score**  
*19,596 / 20,000(1<sup>st</sup> in my home town(Karditsa), top 1% nationwide)* Jul. 2012

## RESEARCH EXPERIENCE

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- **Research Assistant**  
*Software Engineering Laboratory, NTUA, Greece* Dec. 2017 – present
  - Carrying out research for an experimental compiler for a subset of Haskell, in an effort to integrate tail-call optimization.
  - Assisting with G. Fourtounis(Ph.D., NTUA, 2014), Research Associate at the PLAST lab of the Department of Informatics and Telecommunications, University of Athens.

## HONORS & AWARDS

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- **Great Moment of Education** Sep. 2012  
*1<sup>st</sup> among all students in the final national exams* Eurobank EFG Scholarship
- **National Science Contest** 2012  
*37<sup>th</sup> place nationwide* Hellenic Union of Science
- **National Mathematical Contests** 2011  
*Distinction in "Thales", "Euclides"* Hellenic Mathematical Society
- **National Mathematical Contests** 2010  
*Distinction in "Thales", "Euclides"* Hellenic Mathematical Society
- **National Science Contest** 2010  
*13<sup>th</sup> place nationwide* Hellenic Union of Science
- **National Mathematical Contests** 2009  
*3<sup>rd</sup> in "Archimedes" (final round), Distinction in "Thales", "Euclides"* Hellenic Mathematical Society
- **National Mathematical Contests** 2008  
*3<sup>rd</sup> in "Archimedes" (final round), Distinction in "Thales", "Euclides"* Hellenic Mathematical Society

## COMPETITIVE PROGRAMMING

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- **Notable Participations:** Codechef Snackdown 2017 (May 2017), IEEE Xtreme 11.0 (October 2017), Google HashCode 2018 (March 2018), IEEE Xtreme 12.0(October 2018) upper 6% worldwide

## PROGRAMMING SKILLS

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- **Operating Systems:** Linux, Windows
  - Deep understanding of \*nix systems as well as kernel programming
- **Languages:** Haskell, C/C++, OCaml, Java, Python, Typescript, JavaScript, SML, Prolog, Erlang, PHP, HTML/CSS
- **Lexing/Parsing Generators:** flex/bison, ocamllex/menhir, alex/happy
- **Verification:** Frama-C
- **Parallel systems computing:** OpenMP, TBB, Cuda, MPI
- **Databases:** MySQL, MongoDB, Elasticsearch
- **Web development frameworks:** Spring/Spring Boot(Java), Flask(Python), Angular
- **Distributed processing framework:** Hadoop
- **Version Control System:** Git
- **Editors:** VIM, Emacs
- **Typesetting::** Latex

## LANGUAGES

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- English(fluent), French(intermediate), Greek(native)