

Andrew Pappas

SENIOR · COMPUTER SCIENCE STUDENT

Alimos, Athens, Greece, 17455

☎ (+30) 69-3317-1436 | ✉ andrewpap1997@gmail.com | 🏠 andrewpap22.github.io/ | 📷 andrewpap22 | 📺 andreaspappas22

“Genius is one percent inspiration, ninety-nine percent perspiration. -Thomas Alva Edison”

Summary

Focused, determined and motivated computer science student, holding two undergraduate specializations in handling of data and knowledge, software engineering. Interested in devising a better problem-solving method for challenging tasks, and learning new technologies and tools if the need arises. Currently working mostly in the field of full stack web development but also interested in machine learning, low level programming and pursuing as a hobby the development of games. Also a passionate athlete, in love with all kinds of sports, but mostly with weightlifting, cycling, swimming, basketball and calisthenics.

Work Experience

University of Athens

Athens, Greece

UNDERGRADUATE STUDENT RESEARCHER

Nov. 2017 - Feb. 2018

- Artificial Intelligence course, fall 2017-2018 at University of Athens, Department of Informatics & Telecommunications. Advisor: Manolis Koubarakis
- Provided data for the AI team of post graduate researchers.
- Those data were useful for their AI search engine to be able to provide answers (similar to Google's search engine answers) on questions like: *what is the height of mount Everest?*
- The data consisted of large .tsv files containing questions similar to the one described above.

Computer Studio

Amarousion, Athens, Greece

NATIONAL TECHNOLOGICAL VOTING ANALYZER

Nov. 2016 - Nov. 2016

- User of the System Integrator application of the Company.
- Stored each and every vote of the elections of Technical Chamber of Greece 2016 on the company's database.
- Calculated the results of those particular elections from the votes stored.

Ark

Glyfada, Athens, Greece

RESTAURANT WAITER & BARISTA

May. 2016 - Dec. 2019

- Alongside my studies I've been working as a restaurant waiter on a 5-star restaurant located in Glyfada of Athens, Greece
- On my last year working for that particular restaurant - cafe - bar, I was promoted to a barista position and eventually I quit the job to focus on my field of study.

Education

University of Athens Department of Informatics & Telecommunications

Athens, Greece

B.SC. IN COMPUTER SCIENCE

Nov. 2015 - Present

1st High School of Alimos (Thoukydideio)

Alimos, Athens, Greece

HIGH SCHOOL DIPLOMA

Sept. 2012 - Jun. 2015

- GPA: 18.9/20 (in top 5% of class)

University of Cambridge

United Kingdom

C2 PROFICIENCY (CPE): ENGLISH

Sept. 2012 - May. 2014

Volunteering

Google Developer Student Club

University Of Athens

OPEN SOURCE MODERATOR & ORGANIZER

Oct. 2020 - Present

- Joined the Google Developer Student Club & the ACM Student Chapter organizations as an Open Source Moderator and got selected alongside 5 other members amongst 63 applicants. Our aim is to connect with Computer Science Universities all over the world and pass the ideology of Open Source.
- Alongside 2 mentors, we're trying to commit on existing Open Source Projects that need help and our yearly goal is to try and implement a project that will have a practical and positive impact for the community and will inspire other students to try & achieve something similar.

Projects

AirBnB Clone Project

[GitHub](#)

THIS IS A FINAL PROJECT FOR THE COURSE OF FULL STACK WEB DEVELOPMENT OF UoA

Sept. 2020

- Implemented AirBnB from scratch using Ruby on Rails for the backend, HTML, Sass, Bootstrap and Javascript for the frontend, SQLite3 for the database.
- Used Amazon S3 aws-sdk gem to store all the photos of the project.
- Used AJAX to control which part of the site gets refreshed after a user request. (similar to how Twitter refreshes only the user feed as the user scrolls down the page and not the whole webpage.)
- Used Facebook's API omniauth, to authenticate users and login with their Facebook account. Also made use of the Mailgun and Gmail API's to send transactional emails to the users. I also used the jQuery Date Picker so that users can book reservations on the displayed calendar and check for availability. Finally I used the Google Maps API to geocode the coordinates of the locations of the houses and display them on the map inside the application and I used geocomplete as well to provide auto location suggestions.
- This project was graded by the professor Dr. Ioannis Chamdrakas for the course of full stack web development, spring semester 2020 with a total grade of: (100/100) from whom I got exceptionally feedback about my implementation and even got a recommendation letter for my attempt to join the Technical Studentships - IT, Mathematics and Robotics program on CERN.
- The application includes even more features than those described and you can find more information about the project on the GitHub repository.

Disease Prediction Application

[GitHub](#)

A SMALL DISEASE PREDICTION APPLICATION IMPLEMENTED USING PYTHON FOR EDUCATIONAL PURPOSES.

Aug. 2020

- Implemented using python 3.7 and the 3 following Machine Learning Algorithms: Decision Tree, Naive Bayes, Random Forest.
- Implemented a Graphical User Interface (GUI) using the tkinter python library.
- The application uses a small testing data set from a Greek Hospital provided by a medical student and a good friend of mine.
- You can find more information on the GitHub repository.

Forum Sentiment Analysis

[GitHub](#)

FINAL PROJECT ON DATA MINING TECHNIQUES COURSE

Jun. 2020

- Classified comments from a huge forum data set to insulting or neutral based on emotions.
- Implemented using python 3.7 and the 3 following Machine Learning Algorithms on a jupyter notebook
 1. SVM
 2. Naive Bayes Classifier
 3. Random Forest
- The project involved preprocessing and data cleaning, word vectorization, lemmatization, stop words removal, bigrams, Laplace Smoothing, part-of-speech & TF-IDF-based characteristics.
- The project had a bonus, consisting of using whatever ML algorithms we wanted in order to exceed our professors best F1-score which was 0.952. My personal attempt gave an F1-score of 0.899 which was on the top 5% of class and got graded with a 100/100!
- You can find more information about the project on the GitHub repository.

Honors & Awards

2008 **3rd prize**, Local Chess Tournament at 1st Junior High School of Alimos

[Alimos, Greece](#)

2009 **1st prize**, Local Chess Tournament at 1st Junior High School of Alimos

[Alimos, Greece](#)

Technical Skills

- **Programming Languages**, C, C++, Python, Ruby, JavaScript
- **Programming Paradigms**, Procedural, Object Oriented, Functional
- **Database Languages**, SQL, NoSQL
- **Database Systems**, MySQL, SQLite3, MongoDB
- **Markup & Web Languages, Frameworks**, HTML, CSS, Sass, Bootstrap, React.js, jQuery, AJAX, EJS, Node.js, Express.js, Ruby on Rails, Django
- **System Programming**, GNU/Linux
- **Parallel Programming**, OpenMP, MPI, CUDA
- **Assembly Languages**, MIPS
- **Operating Systems**, UNIX, Linux, Windows, macOS
- **Other Skills**, \LaTeX , Vim, VSCode, Atom, Git, GitHub, Google Docs, Slides, Sheets, LibreOffice, GDB, GIMP, Docker, Kubernetes

Interests & Languages

- **Interests**, Playing Chess, Solving TED-Ed riddles, Reading Books, Developing video games
- **Languages**, Greek (*Native*), English (*Fluent*), Italian (*Basic*), Japanese (*Currently Learning*)