

# Nikolaos Nikolov

Maastricht · The Netherlands · EU | nikos.nikolov@mtel.gr | [Last Version](#) of Resume

<https://github.com/nikolaosnikolov> | <https://nikolaosnikolov.gr> | <https://www.linkedin.com/in/nikolaosnikolov>

## Education

### Maastricht University GPA: 8.13/10

Maastricht, The Netherlands

Sep 2024 – Present

2<sup>nd</sup> Year Student

Bachelor Degree in Computer Science, Department of Advanced Computing Sciences

Scientific Orientation: AI & ML, Software Engineering

### 5<sup>th</sup> General High School of Veria GPA: 19.9/20

Veria, Greece

Sep 2021 – Jun 2024

Graduated "Summa Cum Laude"

Scientific Orientation: Calculus, Computer Science, Principles of Economic Theory

Excellence Awardee as the Top Student for 8<sup>th</sup>, 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, and 12<sup>th</sup> grades

Served as the President of the class (elected with 60% of the votes)

### Massachusetts Institute of Technology xPRO Score: 100% ([Certificate](#))

MA, USA (Remote)

MIT xPRO Full Stack Development with MERN, 32 weeks

Mar 2022 – Feb 2023

Professional Certificate in Coding, awarded **48 Continuing Education Units (CEUs)**

### Georgia Institute of Technology GTx course CS1331x1 Score: 100% ([Certificate](#))

GA, USA (Remote)

Introduction to Object-Oriented Programming with Java I: Foundations and Syntax Basics Java

Jul 2024 – Aug 2024

## Test Scores

SAT	score <b>1480/1600</b>	Mathematics Reading & Writing	790/800 690/800	Mar & Oct 2023
TOEFL iBT	score <b>104/120</b>	Listening Reading Speaking Writing	26/30 26/30 24/30 28/30	Sep 2023

## Skills & Interests

<b>Technical</b>	Around 300k lines of code, JavaScript ES6, Java, ExpressJS, NodeJS, HTML, CSS, React, Bootstrap, JSON, GraphQL, MongoDB, Rest API, Visual Studio Code, Postman, GIMP, Docker, GitHub, Heroku, Stripe, Linux
<b>Language</b>	Full Professional Proficiency in English, Native in Greek
<b>Hobbies:</b>	The Art of Dough. Pizza, Fresh Pasta, Croissants, Burger Bread
<b>Sports:</b>	TAEKWONDO, Handball, Swimming
<b>Interests:</b>	Country Government, Digital Government, Leadership, Politics, Entrepreneurship

## Programming Work Experience

### MTEL Veria, Greece

Internship as Researcher and Software Developer in **Internet of Things and Energy Network** project

Sep 2023 – Mar 2024

- Involves the installation of a modern electrical infrastructure with hundreds of sensors and automated equipment enclosed in centrally managed electrical cabinets.
- Researching and using MODBUS TCP protocol; creating NodeJS app with Native JavaScript Back-end server to collect energy, temperature, CO<sub>2</sub> from Schneider Electric metering devices; cooperation with specialists for app installing on Linux micro-servers.

### Massachusetts Institute of Technology xPRO MA, USA (Remote)

Student. Capstone project **Full Stack Restaurant Application** ([Restaurant Presentation](#))

Dec 2022 – Feb 2023

- Developed online platform for food ordering; scored 100%; used Stripe for payments; created Front-End interface; created Back-End server. ([YouTube Nikolaos Nikolov MIT xPRO Playlist](#))
- Project in which customers login or signup, search for restaurants, search for specific foods, checkout with online payment, and then the food comes to their home
- Run tests for the platform; tested payment services; published the platform in virtual private Linux server with Nginx.

### Zograf Monastery Saint Great Martyr George

Mount Athos, Greece

Software Developer in official web platform (<https://zograf.eu>)

Aug 2021 – Dec 2021

- My first professional job, and the only – so far – team collaboration with my father; the best start of my career.
- Created Zograf Monastery's platform using native JavaScript; used platform for pilgrim online bookings; mastered image editing; initiated MongoDB & collected data for it; run platform tests; honored as top benefactor

- In this job, I realized that my success will come when other people's lives get easier.

#### *Leadership & Activities*

##### **SCALEFARM**

Veria, Greece

##### Founder & Researcher **Vertical Farming: A Nature-Based Solution for Cities** [SCALEFARM](#)

Jun 2023 – Present

- Organic waste recycling research; everyday work; basic idea: development of vertical farming in urban balconies; produced biological manure at home
- Social purpose: organic waste handling at home & public waste processing mechanisms decongestion
- Constructed vertical farming prototype system; cultivated 60 pots of basil in 0.5 m<sup>2</sup>; harvested edible product; drew conclusions about sustainability; full cycle of eco production with deliciousness & beautifulness
- Found a new idea to avoid the unpleasant manure production, using a device that will directly produce structured soil from organic waste odorlessly and safely; passion for researching the idea in the future [SCALEFARM Research](#)

##### **Aristotle University of Thessaloniki**

Veria, Greece

##### Researcher, Cooperator, and Presenter **Quantum Computing**

Sep 2022 – May 2023

- Learned theories; joined online conferences for 3 hours each Saturday; conferred with Teachers from High School across Greece and University Professors
- Cooperated with classmates from different High Schools; got tutored by experienced University Professors; solved exercises under their supervision
- Created Research Paper [Quantum Research Paper](#)
- Presented the math-related “Possibilities” on the 13<sup>th</sup> International Week Dedicated to Math “**Mathematics Between Human and Artificial Intelligence**” in front of University Professors, Peers, and High School Teachers from different places of Greece; awarded for my presentational skills in top50 of Greece

##### **5<sup>th</sup> General Lyceum of Veria**

Veria, Greece

##### Researcher, Mediator, Presenter, and Instructor **School Mediation Team**

Sep 2023 – Jun 2024

- Active member, educated in mediation; team recognized for effective management of conflicts and violence within the school environment
- Dedicated to educating and implementing initiatives in the school and the city
- Filmed an exemplary educational documentary video (requested by the Greek Ministry of Education) to promote the concept of mediation and nationally demonstrate our effectiveness. Introduced its premiere to broad audience
- Leader of new members recruitment; convinced 4 new members to enroll; responsible for their education

##### **Erasmus+**

Germany, European Union

##### Researcher and Leader of Team

May 2022 – May 2023

- Travelled to Germany; met students from Germany, Portugal, and Austria; common activities for a week
- Conducted research for mental health; attended workshops, speeches, sports by professionals; noted impressions and discussed with classmates
- Led the team and instructed my peers for creating a booklet; authored insightful booklet; cooperated in the Computer Lab to digitally complete it and publish it. [Erasmus Research Paper](#)

##### **2<sup>nd</sup> Alexandrio Junior High School**

Veria, Greece

##### Writer of the novel **The hunt for the burnt secrets**

Sep 2020 – May 2021

- Initiated captivating story; collaborated virtually with peers; crafted thrilling mystery book; wowed at literature concert; acclaimed for innovation
- Published by Super Course – ELT Publishing

#### *Honors & Awards*

##### **Greek Ministry of Education**

Veria, Greece

##### Excellence Award “Top Student”. Given to the highest academically ranked student of a class.

“AIEN ARISTEYEN” as the Valedictorian of the class. Excellence Awardee of the 8<sup>th</sup>, 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> grades

##### **Hellenic Mathematical Society & Aristotle University of Thessaloniki**

Thessaloniki, Greece

##### “Quantum Computing Award”.

May 2023

This award has been given to me because of presenting Quantum Theories in front of peers and esteemed University Professors. Preparing hard to create a flawless presentation for Quantum Computing, travelling to Thessaloniki, and successfully presenting to the audience, I was recognized in the top 50 in Greece among the rest of the students.

##### **Zograf Monastery Saint Great Martyr George**

Mount Athos, Greece

##### “Top Benefactor”. [Top Benefactor Award](#)

Dec 2021

This award has been given to me and my father because of voluntarily creating the official web platform for Zograf Monastery and enabling online bookings for pilgrims. The award is given to an infinitesimal number of people.