



NIKOLA DIMITROV, 21

PROBLEM-SOLVER, FAST LEARNER, AMBITIOUS

Skopje, Macedonia



WORK EXPERIENCE

Allocate Software (www.allocatesoftware.com)

SOFTWARE DEVELOPER - INTERN

SEP 2018- PRESENT

- Collaborate with engineering team to design and build new features.
- Write intuitive, high-performance code using test-driven development.

NewMan's Business Accelerator (www.newmans.space)

WEB API FOR HACKATHONS - ASP.NET MVC 5 AND CORE 2

JAN 2018- MAY 2018

- Web API for Hackathons - Asp.Net MVC 5 and Core 2
- Admin section - CRUD actions for Agencies, Events, Locations, Sponsors, Challenges and other admins
- List and search users based on multiple parameters
- Participant section to register to the website then to enroll in a event and profile management
- Used technologies: SQL Server DBMS 17, Visual studio 2017, Asp.Net MVC 5, Asp.Net Core 2, Ninject, AutoMapper, Entity Framework 6, Entity Framework Core, Custom Jwt Token Validation Handler, Pagination, C# models to TypeScript models mapper, Plesk and SolidCP v1 for hosting

Karavas MK Dooel (www.karavas.com.mk/en)

WEBSITE DEVELOPER AND MARKETING COORDINATOR

JAN 2017 - DEC 2017

- Website development and maintenance in Wordpress
- Stock management application development and maintenance in Windows Forms
 - Keyword research & SEO Optimization
 - Facebook page, Google business
- Content for Online and Email Marketing Agencies (Text, Photos - Capturing and refining in Adobe Photoshop CC 2016, Slideshow - Music editing in Steinberg Cubase 5.1 and Photo animations in Adobe After Effects CC 2016)
- Analysis of marketing campaigns based on multiple factors (Number of Calls and Messages/Emails, Number of Deals Closed, Number of Web page unique visitors, Amount spent on the campaigns)

PROJECTS

Sensor data acquisition from Electrical Kart - Arduino MEGA

- Description: University Project 2017 - We used 2 temperature sensors (DSB18B20), 2 distance sonar sensors (HC-SR04), 1 voltmeter, GPS Module (GEO-6M), Wifi Module (ESP8266 ESP-007). We used Virtuino to display the measurement on an Android tablet.
- My work: I assembled the whole software part of the project. I sorted every function for collecting data from the sensors, based on different time intervals depending on the sensitivity of the measurement. The data from the sonar sensors is collected more often because distance can vary quicker than temperature or voltage. I use Android SDK for this project.



FINAL YEAR AT FACULTY OF ELECTRICAL ENGINEERING & INFORMATION TECHNOLOGIES



3+ YEARS EXPERIENCE in BackEnd Software Development, Unity3D, Python, Arduino



1 time at "Work and Travel" in USA (3 jobs in parallel)

CREATIVE & SOCIAL SKILLS

CREATIVITY



ADAPTABILITY



INNOVATION



STRATEGY



ORGANIZATION



TECH SKILLS

C / C# (ASP.NET)



Unity3D



Arduino / Python



Angular5



Microsoft SQL Server



WordPress / HTML/CSS



Cubase 4



JavaScript/Type Script/jQuery 3



Photoshop 3



LANGUAGES

ENGLISH

Proficient User

MACEDONIAN

Native Speaker

HOBBIES

BASKETBALL, HIPHOP, VIDEO GAMES, HIKING, READING



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Stock Management - Windows Forms, Ado.Net & AWS RDS

- Description: 0167-PRESENT - UML Diagrams to define the application with the client properly, DDL and DML in SQL Server 2014 DBMS, Ado.Net for data access, C# for domain logic and Windows Forms for UI
- My work: the whole application and process

Small business website - Wordpress

- Gallery, Contact Form, Email Sender, Responsive & Parallax design,...)
- My work - Custom child theme (CSS & HTML & php(little)) and everything necessary in Wordpress

Nasa Space App - Mars Habitat - Unity3D

- Description: Habitat for 5 persons, should be energy efficient, space efficient. We created 3d model for the habitat, multiple 3d Models for each item in the habitat and human 3d models with animation.
- My work: I lead the project with tasks and milestones and stages. Everybody sent me the models, textures, animations and I imported them in Unity3D, positioned them properly, inserted colliders, lightning and Camera with controller(First Person). We wanted to present the project with a joystick controller but there were issues so we recorded a video.

Handwritten character recognition - CNN - Python

- My work: CNN (Convolutional Neural Network) defined in Python, Dataset from <https://www.kaggle.com>, a script in python for Image processing to find and define a handwritten character, and formatting it properly for the CNN Input to be recognised

Robomak - Sphero avoiding and hitting targets detected from camera - Image Recognition - Python

- Description: The challenge was using python to program a connection to Sphero and control its movement. The Sphero is placed in a pool with 10 red standing sticks (if hit lose 1 point) and 10 blue (gain 1 point). A Camera is placed above the pool to detect the Sphero and the sticks. With Filters and Logic from the images from camera the sphero has to move accordingly.
- My work: Python script for the whole project.

Weather Forecast Web app - jQuery, Html & Css Unfinished mobile game - Unity3D

- Description: A 2D arcade games platform with multiple gameplays set up with transitions, so the player doesn't have a feel of playing different game, in a single automatically generated scene based on difficulty, player level and their competition.
- My work: Game design document, Game logic for gameplay and animation transitions, basic mechanics and manipulation of physics.

Slideshow - Adobe After Effects

100+ Beats



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FORMAL EDUCATION

B.Sc. in Computer System Engineering, Automation and Robotic, Faculty of Electrical Engineering and Information Technologies

UNDERGRADUATE SCHOOL
2014 - PRESENT (Expected graduation: Jan 2019)

VOCATIONAL EDUCATION

Front-End Software Engineer

NEWMAN'S BUSINESS ACCELERATOR

NOV 2017 - JAN 2018

- HTML and CSS: Design & Build
- Bootstrap (Responsive Design)
- JavaScript & jQuery Development
 - Angular 5
- Practical exercises

Back-End Software Engineer

NEWMAN'S BUSINESS ACCELERATOR

JAN 2018 - MAR 2018

- HTML and CSS: Design and Build
 - JavaScript Development
- Database Design and Development
 - Web Application Development
- Practical exercises

Oracle Certified Associate, Java SE 8 Programmer

CERTIFICATION DATE NOV 2017 - PRESENT

Pluralsight

NOV 2017 - PRESENT

- Implementing and Securing an API with ASP.NET Core
- Understanding ASP.NET Core Security

Udemy

- Learn to Code by Making Games - Complete C# Unity Developer
 - Make a Unity 2D Physics Game
- Unity Professional Development From A to Z
 - The Web Developer Bootcamp

Coursera

- Machine Learning by Stanford University



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