Angel Penchev
Software Developer

An award-winning software developer with 5 years of experience in the field of programming.

✉ angel@penchev.dev

📍 Sofia, Bulgaria

in linkedin.com/in/angel-penchev

📱 +359 882 499 204

🌐 penchev.dev

github.com/angel-penchev

EDUCATION

System Programing
Technology School Electronic Systems (TUES), associated with Technical University-Sofia

09/2016 - 06/2021   *GPA 5.50 out of 6.00*

PROJECTS

Eleggo (03/2021 - Present)
- Eleggo is a programmable brain computer interface.
- The system comprises of a EEG helmet with a custom circuit board, machine learning models for thought pattern recognition, a centralized server and a web client for interacting with the entire system.

DRUN (10/2020 - Present)
- DRUN is an autonomous drone delivery system.
- The platform was comprised of an embedded drone which uses a deep Q-learning neural network for control, a centralized server and a user-facing cross-platform mobile app.

Traffic Brain (09/2019 - 06/2020)
- Traffic Brain is an open-source traffic light control system.
- The system includes a vehicle recognition machine learning model, a custom-build embedded traffic light device, a centralized server and a front-end client for controlling the entire system.

Readability (03/2019 - 04/2019)
- Readability is a platform for helping the visually impaired to convert captured text to the braille alphabet.
- The project is comprised of a mobile application for Android and iOS, which captures text using the device's camera, recognizes it using Firebase ML Kit and sends it to an embedded device, which converts it letter by letter to braille alphabet.

WORK EXPERIENCE

Intern
TelebidSchool

07/2020 - 07/2020   *Sofia, Bulgaria*
TelebidSchool (part of TelebidPro) is an organization whose emphasis is on code writing training and practical problem solving.

Achievements/Tasks
- Developed a complete full-stack application for banknote serial number recognition.
- Used Python and TensorFlow for machine learning in order to perform practical computer vision tasks.
- Used Node.js to develop a backend server which handles image recognition requests.
- Used Angular to create a frontend client from which users can access the system.

SKILLS

Python TypeScript Dart + Flutter Java

Machine Learning TensorFlow Spring Boot

Node.js Flask Docker Nginx Linux

Angular React C C++ Git SQL

LANGUAGES

Bulgarian
Native or Bilingual Proficiency

English
Full Professional Proficiency

CERTIFICATES

CCNA: Switching, Routing, and Wireless Essentials (07/2021)
Issued by Cisco

CCNA: Introduction to Networks (10/2020)
Issued by Cisco

Certificate in Advanced English (08/2019)
Issued by Cambridge Assessment English

First Certificate in English (07/2017)
Issued by Cambridge Assessment English

VOLUNTEER EXPERIENCE

Site Administrator
Technology School Electronic Systems (TUES), associated with Technical University-Sofia

05/2020 - 06/2021   *Sofia, Bulgaria*
Website administrator of elsys-bg.org.

HONOR AWARDS

4th Place at the National Computer Networks Competition 2021 (06/2021)
Ranked 4th out of 68 participants at the National Competition in Computer Networks with a grade of 6.00.

1st Place at HackTUES 6 (10/2020)
Won 1st place in the 6th edition of the annual HackTUES hackaton by creating a prototype for an autonomous drone delivery system, named "DRUN".

Special Prize at TUES Fest 2020 (06/2020)
Won the "Better Future" special prize at the TUES Fest 2020 annual technological project showcase event for the creation of an automated traffic light control system named "Traffic Brain".