**🧾 🎯 Role title: ROBOTICS EDUCATION, MENTORING & VIDEO CREATION  
📍 Location:** Community of Technical Culture of the City of Split, Varaždinska 53, 21000 Split, Croatia  
**📅 Employment Period:** March 2020 – July 2021  
🎥 YouTube Demo: TBD  
📦 GitHub Source Code: Not available  
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**🏷️** My Personal Profiles: ⬇︎  
🎥 Video Portfolio: To be added  
📦 GitHub Profile: <https://github.com/IvanSicaja>  
🔗 LinkedIn: [https://www.linkedin.com/in/ivan-si%C4%8Daja-832682222](https://www.linkedin.com/in/ivan-si%C4%8Daja-832682222?utm_source=chatgpt.com)  
🎥 YouTube: [https://www.youtube.com/@ivan\_sicaja](https://www.youtube.com/@ivan_sicaja?utm_source=chatgpt.com)  
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### 📚🔍 Project description: ⬇︎⬇︎⬇︎

### 💡 Role Description Worked as an educator and mentor at the Community of Technical Culture of the City of Split, focusing on mobile robotics and mechatronics education.

**Responsibilities included:**

* Designing and delivering **robotics and mechatronics classes** for young participants.
* Creating **online tutorials and educational materials**, which were used in several schools across Croatia during the COVID-19 pandemic.
* Leveraging **online simulators, e.g. Arduino Tinkercad,** to provide accessible, hands-on learning experiences remotely.
* Explaining the fundamentals of **electrical circuits**, the working principles of **different sensors**, and practical skills such as **soldering wires**.
* Preparing community participants for **robotics tournaments**, combining practical workshops with competition-level training.
* Promoting general **STEM education** and fostering **problem-solving**, **teamwork**, and **innovation** among students.

### ⚠️ Note None.

### 🔧 Tech Stack

**Python,** **Robotics Education, Arduino, Tinkercad Online Simulator, Mechatronics, Electrical Circuits, Sensors, Soldering, Online Tutorials, Curriculum Design, Robotics Tournaments, Remote STEM Education**

### 📸 Project Snapshot

Not available.

### 🎥 Video Demonstration

Not available.

### 📣 Hashtags Section

**# # RoboticsEducation #STEM #Arduino #Mechatronics #Mentorship #Tinkercad #RoboticsTournament #Electronics #Sensors #Soldering #STEMEducation #RemoteLearning #EducationalContent #Innovation #Teaching #STEMMentor**