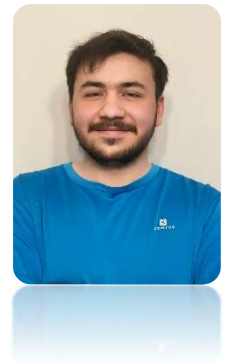


ADRIANO JUCAN

Email: adryano.jucan13@gmail.com
Phone: (+44) 7539438059 | (+40) 751696146
Current Address: United Kingdom, Colchester, CO4 3SQ, Wivenhoe Park
Home Address: Romania, Suceava, Cajvana, 727100, nr. 1948



Pre-settle status waiting for the settlement status.

Recent Robotic Engineering graduate, passionate of robots, seeking opportunities to learn and innovate.

Skills

- **Technologies:**
 - Microcontrollers: ESP32 / ESP8266, Arduino, Raspberry
 - LED strips (WS28xx)
 - Sensors, servos, electric motors, motion control algorithms, and high-level cognition in robotic systems
 - Artificial intelligence and intelligent agents, Computer vision and digital signal processing
- **Programming:**
 - Ros2, CV2, Python, Java, C, C++, C#, Dart
 - JavaScript, React.js, React Native, Node.js, Next.js, Redux Toolkit
- **Artificial Intelligence, Machine Learning, Evolutionary algorithms**
- **3D modelling:** SolidWorks | Unity | Blender | 3D Printing
- **Microsoft Office, Adobe Creative Cloud, Sony Vegas**

Projects

- **RC flying wing plane** 31/12/2019 – 31/12/2020
I built an RC foam plane using nrf24 antennas, servos, Arduino uno, brushless motors and local materials.
- **Animated LED Panel for a local Pub** 01/12/2021 – 30/12/2021
In this project I designed and built a 6 x 5 meters LED panel for the ceiling of a local pub. I used 300 meters of WS2811 LED strips with multiple animations, controlled and powered by a custom central power box.
- **Data glove Capstone project** 01/10/2023 – 14/05/2024
I developed a data glove with 5 flex and 9-axis orientation sensors that captures the user's hand movements and augments them in real time using a rigged virtual hand model.
- **CRM - Primagra Romania** 01/01/2023 – 01/07/2023
I worked on developing a new internal application interface for web and mobile using React.js, React native, Redux Toolkit, Node.js.
- **Robotic Arm** 2017-2018
I created a robotic hand using 5 servos, strings and cardboard. All controlled with an Arduino board.

Education

University of Essex – BEng Robotic Engineering Degree - October 2019 – July 2024

- Bix Essex Award
- Fundraising and Charity Officer in Romanian Society – 2019-2021

National College "Petru Rares" Suceava - Mathematics and Informatics - September 2015 - July 2019

- Informatics Olympiad – 2016-2018 ⇔ C++ | Data structures and advanced algorithms | 6th place in county phase
- First Tech Challenges – 2017-2019 ⇔ Robot Driver | Technical supervisor | Team building | 3D modelling
- IC3 Digital Literacy Certification ⇔ Office package | Windows | SQL
- GrowEdu voluntary ⇔ Event Organizer
- Cisco ⇔ CCNA1 | Networking Knowledge

Languages

- **Mother tongue:** Romanian
- **English:** LISTENING – C1 | SPEAKING – C1 | READING – C1 | WRITING - B2
- **Basic knowledge in:** Japanese | German