

Daniel Ilies

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Experience

Iasi, Romania

2023-06 – 2025-05

SOFTWARE DEVELOPER

- Engineered and deployed AdCognition, an AI-powered browser extension using TypeScript and TensorFlow.js for real-time ad detection and blocking, demonstrating knowledge of AI and optimization for desktop applications
- Developed RoboGPT, an Nvidia Isaac Sim extension for 3D development and robot control via natural language commands, integrating AI/Navigation, scripting with LLMs, and cloud/REST APIs from OpenAI to ensure seamless functionality and session management
- Led development projects focused on scripting, animation concepts through AI, and textures via simulation environments, actively troubleshooting issues and testing functionalities to meet high industry standards
- Engaged in code reviews and worked with UI/UX designers to identify and fix errors, ensuring products conform to specifications and deliver interactive experiences

Remote, Romania

2022-03 – 2023-07

CUSTOMER SERVICE REPRESENTATIVE

- Identified workflow inefficiencies and designed Otis, a JavaScript-based templating software using jQuery and RegEx to automate form-filling and email generation, significantly improving team efficiency and conforming to operational standards
- Honed troubleshooting skills and excellent attention to detail through daily problem-solving and code error identification in automation scripts
- Demonstrated good communication skills by collaborating with diverse teams and translating requirements into functional software patches and upgrades

Remote, Germany

2025-01 – 2025-06

FULL-STACK ENGINEER

- Architected and implemented key dashboard and form components for campaign management using Nuxt.js, Vue.js, and TypeScript, transforming design ideas into functional software with REST API integration
- Ensured cross-browser and device compatibility for seamless desktop and mobile experiences, including memory optimization and troubleshooting bottlenecks
- Collaborated with back-end team to establish strategy, design system pipelines, and test functionalities, delivering high-standard interactive solutions

Skills

Scripting and AI/ML: JavaScript (ES6+), TypeScript, Python, TensorFlow.js, OpenAI API, REST API, LLMs

Development Tools: Git, Docker, Linux, CI/CD, Nvidia Isaac Sim

Robotics and Sensors: LEGO Mindstorms, MicroPython, Sensors, Electronics Workflows

Projects

RoboGPT

Nvidia Isaac Sim, LLMs, OpenAI API,
Natural Language Processing,
AI/Navigation, 3D development

PLANNED AND IMPLEMENTED AN NVIDIA ISAAC SIM EXTENSION FOR 3D DEVELOPMENT, INTEGRATING PHYSICS, AI/NAVIGATION, SCRIPTING, ANIMATION, AND TEXTURES TO TRANSFORM NATURAL LANGUAGE COMMANDS INTO FUNCTIONAL ROBOT CONTROL USING LLMs AND CLOUD/REST APIs FROM OPENAI, ENSURING OPTIMAL SESSION MANAGEMENT AND TROUBLESHOOTING PERFORMANCE.

defender-bot

Python, LEGO Mindstorms,
MicroPython, Robotics, Sensors,
Electronics Workflows

ESTABLISHED STRATEGY AND DEVELOPED A PYTHON-CONTROLLED LEGO MINDSTORMS ROBOT USING MICROPYTHON, DEMONSTRATING PROFICIENCY IN ELECTRONICS AND SENSOR WORKFLOWS, INTEGRATED PHYSICS, AND TROUBLESHOOTING FOR INTERACTIVE ROBOTICS EXPERIENCES IN EDUCATIONAL CONTEXTS.

AdCognition

TypeScript, TensorFlow.js, Browser
Extension, AI

ENGINEERED AN AI-POWERED BROWSER EXTENSION FOR REAL-TIME AD DETECTION AND BLOCKING USING
TYPESCRIPT AND TENSORFLOW.JS, FOCUSING ON MEMORY AND FPS OPTIMIZATION, SCRIPTING, AND
TROUBLESHOOTING CODE ERRORS FOR DESKTOP AND MOBILE COMPATIBILITY.

Otis – Customer Support Automation Tool

JavaScript, jQuery, RegEx,
Automation, Troubleshooting

MET WITH TEAM TO DISCUSS SPECIFICATIONS AND DEVELOPED AN AUTOMATION TOOL USING JAVASCRIPT, JQUERY,
AND REGEX TO TRANSFORM MANUAL PROCESSES INTO FUNCTIONAL SOFTWARE, IDENTIFYING AND FIXING
WORKFLOW ERRORS WHILE DESIGNING UPGRADES FOR EFFICIENCY.

Education

University "1 Decembrie 1918" of Alba Iulia

BACHELOR'S DEGREE IN INFORMATICS

2019-10 – 2022-07

GPA: 9 out of 10

Awards

2023 **1st Place Innovation Contest**, Won first place for developing Otis, a JavaScript-based templating
software that automated form-filling and email generation, showcasing skills in scripting,
troubleshooting, and creating efficient interactive tools

CGS Romania