

Catalin Alexandru Mihalache

str. Gurahont 16, Bucharest, Romania | +40767355708

github/AlexMihalache | gmail/alexandrumihalache39@gmail.com | linkedin.com/Alexandru Mihalache

TECHNICAL PROJECTS

CAR PRICE PREDICTION | GITHUB

October 2021 - June 2022 | Swansea, UK

- Python web scraping project which predicts and analyzes car prices.
- Used Linear Regression, Extreme Gradient Boosting, Random Forest, ANNs.

SORTING VISUALIZER | WEBSITE, GITHUB

August 2022 | Pitesti, RO

- Application for visualizing algorithms.
- Implemented Bubble Sort, Insertion Sort, Heap Sort, Quick Sort.

TWITTER-BOT | GITHUB

September 2022 | Pitesti, RO

- Bot that interacts with programming tweets.
- Used Twitter Developer API with Python.

VOLUNTEERING

TECHNOCAMPS

November 2019 - May 2020 | Swansea, UK

- Delivered engaging workshops for children, imparting a passion for technology.
- Instructed programming using Scratch and Python, also sharing insights into mathematics and physics.

V.P. OF ROMANIAN SOCIETY

February 2019 - July 2022 | Swansea, UK

- Organized events to enhance the experience for international Romanian students, fostering camaraderie and cultural exchange.
- Created initiatives that contributed to making a vibrant and inclusive community within the university.

EDUCATION

SWANSEA UNIVERSITY

BSC IN COMPUTER SCIENCE

October 2018 - July 2022 | Swansea, UK

ION C. BRATIANU NATIONAL COLLEGE

MATHEMATICS-INFORMATICS

September 2014 - July 2018 | Pitesti, Romania

SKILLS

TECHNICAL SKILLS

Strong:

Java • Python • JavaScript • Kibana • Git

Familiar with:

CSS • HTML • LUA • SQL • Splunk • C++

WORK EXPERIENCE

SAP | IT TECHNOLOGY SERVICES ASSOCIATE

October 2024 - Present | Bucharest, RO

- Collaborating on front-end development tasks using JavaScript to enhance system functionality and user interfaces.
- Assisting in maintaining and optimizing IT services, ensuring seamless operations within the organization.
- Preparing to expand technical expertise by transitioning into ABAP development to support SAP-specific solutions.

TRK ONE INCORPORATED | COMPUTER SYSTEM PROGRAMMER

January 2023 - September 2024 | Bucharest, RO

- Developed and maintained the company's website, ensuring consistent performance, functionality, and user experience.
- Automated the scheduling process for 36 daily posts across 10+ Facebook pages using Python, reducing manual workload from 8 hours to an instantaneous process.
- Improved team efficiency by allowing a greater focus on creative content creation while maintaining a streamlined scheduling workflow.
- Utilized JavaScript, HTML, and CSS to design and update website features, ensuring alignment with business needs.
- Managed content creation and publication for multiple Facebook pages, enhancing audience engagement and brand visibility.

SWANSEA UNIVERSITY | LAB DEMONSTRATOR

October 2019 - July 2022 | Swansea, UK

- Facilitated student understanding of weekly lab sheets, offering guidance and assistance in completing tasks.
- Contributed to a positive and productive learning environment by providing hands-on support to students.

SOPHOS GROUP | SOFTWARE ENGINEER INTERN

August 2020 - July 2021 | Abingdon, UK

- Contributed to the Windows FastTrack Team by addressing issue escalations from international customers, specializing in automation for log analysis and advanced troubleshooting.
- Designed and implemented an antivirus system feature that autonomously resolved endpoint issues, reducing resolution times from months to near-instantaneous solutions.
- Developed and deployed an AWS Lambda function to integrate Python code with AWS S3 buckets, enabling automated endpoint scanning and issue identification.
- Streamlined log analysis by creating a Kibana dashboard that reduced daily analysis time from 2 hours to 10 minutes, and engineered AWS dashboards to provide actionable insights into endpoint issues, facilitating proactive troubleshooting.
- Demonstrated technical expertise across multiple programming languages and tools, including C++, LUA, Python, PowerShell, JSON, and AWS, while presenting project progress in weekly and sprint review meetings to align team efforts and ensure transparency.