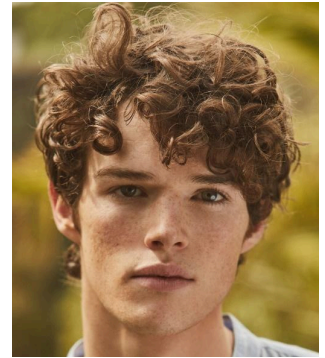


LIAM ESTEBAN PRINCE

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EXPERIENCE

Jul 2023 - Dec 2023

Software Development Intern at AVCAST, Madrid, Spain

- Implemented live raw video streaming web platform.
- Directly involved in development, deployment, non-automated testing, documentation and presentation.
- Complex, collaborative effort emphasising effective and honest communication with the clients.
- Collaborated with supervisor using Agile Methodology to streamline project management.

EDUCATION

Sep 2022 - Jun 2023

MSc Mathematical Engineering and Computation, UNIR, Spain

- Collaborative and practical masters including advanced programming (Python, R and Matlab), machine learning (Tensorflow, Keras, Pandas and Sklearn), cutting edge research in optimisation, statistical learning and numerical methods and a thesis in computer modelling and simulation in Simulink.
- Designed and developed a simulation of an acoustic guitar, using computer graphics and scientific visualisation software in MATLAB Simulink.

Sep 2017 - Jul 2020

BSc (Hons) Computer Science, University of Surrey, UK

- Research and project based degree covering advanced programming (C, Java, Haskell, PHP and Lisp), full stack web development (HTML, CSS, Typescript, OOP, Ruby on Rails, Firebase, NodeJS and Laravel), machine learning (Tensorflow, Keras, NLP, Pandas, Sklearn and statistical learning) and data engineering (SQL, MongoDB, Numpy, Pandas, MATLAB, HPC and R).
- Developed a cooking recipe parser using advanced NLP tools and ontological reasoning.

LANGUAGES

Native Spanish | Native English | C1 Italian | C1 French.

CERTIFICATIONS

May 2024

Google Cybersecurity Professional Certificate

- Hands-on experience in portfolio-ready projects with Python, Linux, and SQL.

May 2024

Certified Linux Administrator (LPIC-1) by LPI and Cisco Networking Academy

- The world's largest and most recognized Linux certification

Apr 2023

Fundamentals of Accelerated Computing with CUDA Python by NVIDIA Deep Learning Institute

- Advanced techniques for code optimization, parallelization and concurrency using the PyCUDA GPU Interface, Numba JIT compiler and NumPy library. Programming in C++ and in Python.

Feb 2023

Python Programming by International University of Rioja

- Advanced scientific python programming and data science technologies such as Numpy, Pandas, JSON and graphics libraries such as Matplotlib and Seaborn.

COURSES AND PROJECTS

Feb 2024

Lisp-based Programming Language

- Development of a new custom functional programming language modelled on Lisp and written in C using advanced language features of both languages and both object oriented and functional programming paradigms, using the gcc compiler, Git, bash, make and other development tools on Linux.

Jun 2022

Full Stack Web Development, The Odin Project by Thinkful

- Comprehensive and project based course covering frontend (HTML, CSS, OOP in Javascript, React.js, SPAs and accessibility), backend (PHP, BaaS, Ruby on Rails, NodeJS, async and REST APIs), databases (SQL and NoSQL) and DevOps (Git, CI/CD and automated testing).

OPEN SOURCE CONTRIBUTIONS

Jan 2024

Bedrock Linux

- Error reporting and issue triaging for open source Linux distribution.

Jan 2024

ArchLinux User Repository

- Maintenance, configuration and installation testing of user submitted software packages in Arch Linux distribution.