

Luca Alexandru Sas Curriculum Vitae

Awards

2018 - University of Leeds Hackathon 1st
2018 - Google HashCode @ University of Leeds 1st
2018 - London Sky Hackathon 1st

2017 - Google Dev Group Hackathon 1st
2017 - InfoEducatie National Contest 2nd
2017 - Grepit 10 - Games 1st
2017 - Global Game Jam Romania 3rd

2016 - GrepIT 9 - Software 1st
2016 - InfoEducatie National Contest 1st

Technical Skills

Programming Languages

• C++ • C • Kotlin • Java • C# • NodeJS • Dart • D • Odin
• Python • HDL • Batch • TypeScript

Interests

• Systems Programming • Low Level Programming
• Compiler Design • Game Engine Programming
• Giving talks at conferences

Experience with

• STL • Win32 API • MySQL • Flutter • Android • iOS
• LibGDX • Raylib • SocketIO • Windows Forms
• Agora SDK • Braintree • Firebase

Others

• Git • LATEX • Markdown • Testing • Adobe Illustrator
• UI Design • Graphic Design • Storytelling • Game Design

Activities

Leeds Computer Society - Chair 2017-2019

I have served as Vice-President and Co-Chair of the Computer Society at the University of Leeds during my first and 2nd year of study, helping organise and manage events such as Google HashCode, guest talks and parties.

InfoEducatie - Judge 2018-2019

I worked developing the judging criteria and hackathon challenges, judging and marking over 40 projects as well as providing feedback to all participants.

Deutsche Bank & College of Patients Hackthon - Judge

As a judge I took part in analysing the projects developed by over 30 professionals from Deutsche Bank's IT department. The Hackathon was organised by the College of Patients and Deutsche Bank.

Talks at conferences and events

I gave a talk at ACCU2019 about the Jai programming language and what we can learn from it. The talk is currently the 4th most viewed from ACCU 2019. I have also proposed talks for C++ CoreHard 2019 and ACCU 2020 on Centralised Memory Management and Allocators.

Education and Contact info

University of Leeds - Computer Science [Graduating June 2020](#)

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Experience

Lead programmer

The Cell Phone Game - Upcoming mobile developed in partnership with Vincent V. Cava and voice acting by famous YouTubers like MrCreepypasta. I develop the game in C with only minimal header-only dependencies for audio and texture loading. The game was awarded 2nd place at InfoEducatie and 1st place at Grepit.

DrLike - Cross-platform mobile app developed for Colegiul Pacientilor, the largest patient rights organization in Romania. Awarded 1st place at Grepit and InfoEducatie. Java Frontend with C#/MSSQL Backend.

Dokt - iOS/Android app developed in Flutter with a Socket IO backend written in TypeScript/NodeJS, Braintree and Agora. The app allows patients to talk to professional Doctors on demand.

Contract work with Collider Visuals

In Store App - A VR application created for Bottega Veneta, Alexander McQueen and Procter & Gamble. Worked on the iOS version.

Car Configurator - The application was created for Mercedes Benz, serving as a VR configurator for their showroom. It is also connected to a mobile application which edits the car from the outside and supports voice commands implemented with a Microsoft API in C# and NodeJS.

Open source work

LCL - A compiler for a C-like Language currently in development as my University degree project.

Raylib - Worked on porting and maintaining C++ compatibility for Raygui.

UK Shelters and Food banks API - A python API that gathers information from the multiple sources on shelters and food banks in the UK.

Graphic design

Graphic Design for Colegiul Pacientilor - I have developed all graphic design materials including logos, pamphlets, roll-ups and banner for The College of Patients, the largest patient rights organization in Romania.

Graphic Design for Anima - Worked on videos and promotional materials for the Anima Clinics in Bucharest, Romania.

Cocor LED Billboard videos for Anima - Worked on videos displayed on the Cocor LED Billboards in Bucharest Romania for the Anima Clinics.

Publishing books:

The Adventure of Sinet and Cicioballo
Selfpublished my own book at the age of 13.

Comic Book for The College of Patients
Wrote a short comic book gifted to orphaned children as part of an event that was organised by The College of Patients and DinoPark Rasnov.