

Alexandru Cristian

Résumé

WORK EXPERIENCE

OCTOBER 2023 – PRESENT

New York, NY

Senior Software Engineer at Google LLC

Tech lead on horizontal features for the Google Wallet app for Android.

JUNE 2022 – OCTOBER 2024

San Francisco, CA

Lead Software Engineer at Google LLC

Leading eMoney development across two geodistributed teams (APAC, AMER) of 15+ engineers.

AUGUST 2020 – JUNE 2022

San Francisco, CA

Software Engineer at Google LLC

Google Pay Secure Element - Japan. Notable launches:

- New 1P app launch. Reach: 50M users.
- PASMO: 2nd largest transit card in Japan.

JUNE 2019 – 12 WEEKS

Redmond, WA

SDE Intern at Microsoft Corp.

Improved virtual machine isolation on Hyper-V. Focused on serial I/O emulation on paravirtualized VM scenarios, using C/C++ and VirtIO. Designed and implemented data transfer protocols over VMBus rings.

MARCH 2019 – 12 WEEKS

San Francisco, CA

SWE Intern at Google LLC

Worked on the Google Pay Transit team to implement end-to-end changes to the transit key provisioning pipeline. Developed cryptographic methods to import diversified keys into Secure Element chips. Pending integration into the Google Tink cryptographic library.

JULY 2018 – 12 WEEKS

Zürich, CH

SWE Intern at Google LLC

Developed a new backend for the Google Showcase ad submission pipeline, reducing the time before an ad is reviewed from hours to minutes. Worked within the Shopping team based in Zürich, Switzerland.

MARCH 2018 – 14 WEEKS

Vancouver, BC

SDE Co-op at The Coalition - Microsoft Studios

Gears 5 - worked within the Multiplayer Gameplay team on Unreal Engine 4 weapon and projectile replication, inventory consistency and other areas related to multiplayer game features.

JUNE 2017 – 12 WEEKS

Redmond, WA

SDE Intern at Microsoft Corp.

Delivered a 30% decrease in build time within the Windows installation media imaging stack, by improving an existing codebase using C# and C++ Interop.

Earlier work history available on acristian.eu.

PUBLICATIONS

- Keeping up with the genomes: efficient learning of our increasing knowledge of the tree of life.
Zhao, Z., Cristian, A. & Rosen, G.
BMC Bioinformatics 21, 412 (2020).

EDUCATION

2023 – 2026

Columbia University
MS COMPUTER SCIENCE

2015 – 2020

Drexel University
BS COMPUTER SCIENCE
Magna Cum Laude
Honors with Distinction

2011 – 2015

"Tudor Vianu" Computer Science National HS
HIGH SCHOOL DIPLOMA

HONORS

2015 - 2020

Dean's List
Drexel University, College of Computing and Informatics

2015

Drexel Global Scholar
Merit scholarship, awarded full tuition

2015, 2012

Bronze medal
National stage, Romanian Informatics Olympiad

2014

2nd prize, web applications
"InfoEducatie" National Contest

PERSONAL PROJECTS

2012

Nexus Play
A web media center written in Java EE.

2013

Snow Land
An Android dynamically generated puzzle.

2014

Dino
Python tool to display statistics for Jenkins and TeamCity projects.

LANGUAGES

ENGLISH Proficient

SPANISH Native

ROMANIAN Native



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github.com/AlexCristian