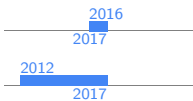


Robin Thoni

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*Graduated Computer Science student.
C, C++, low-level programming lover.*

Cursus



International IT Master, UQAC, Canadian University

Computer Science Student, EPITA, French Engineering School

Experiences



Software Engineer, NVIDIA, CUDA devtools team

- Led the design and implementation of a GPU code coverage tool: generate code coverage reports for kernels written in assembly for internal automotive usage
- Led the design and implementation of a GPU thread-array diversity measurement tool: generate reports on how thread-arrays are dispatched on physical GPU cores to detect hardware errors for internal automotive usage
- Maintained devtools' build infrastructure: upgraded >10 years old toolchains, improved existing codebase to fix new compiler warnings/errors, added new and improved existing automations, etc



Infrastructure Engineer, Betaclean

- Setup physical network (ISP / routers / ethernet / Wi-Fi)
- Development of internal intranet web app
- Deployment/management of security systems (password manager / CA / firewall)
- Deployment/management of Active Directory
- Automation of infrastructure deployment
- Deployment/management of mail server (Postfix / Dovecot)
- Deployment/management of DNS authoritative server (internal / external)
- Deployment/management of DHCP server
- Deployment/management of VPN server (OpenVPN / Wireguard)
- Deployment/management of physical security systems (CCTV / access control / alarm)



Final Internship, NVIDIA, CUDA devtools team

- Added 'initcheck' support for cuda-memcheck: devtool to check for read-before-write on the GPU
- Optimized Nsight Compute kernel replay feature: restore memory on the GPU only if it has been modified by the profiled kernel



Sys Admin, Docker/docker-compose; SaltStack; Terraform; E-mail servers; Roundcube webmail; DNS servers, OAuth2/SAML SSO; Firewall; Zabbix monitoring



School's Laboratory, 3IE, EPITA's Innovation Laboratory. Multiple team projects for big companies



Prologin Contest Organizer, French national programming contest, sponsored by Google prologin.org

Skills

Languages C, C++, Python, C#, Java, Bash, PostgreSQL
Frameworks AngularJS, Android SDK, Qt, ASP.NET Core
Others Skills Docker, Server Administration, Arduino

Miscellaneous

Languages

French Native.
English Fluent / TOEIC 910.