

# EYAL KALDERON

# SOFTWARE ENGINEER

## SUMMARY

An independent and self-motivated software engineer, system administrator, and college student with a versatile skill set. Open source project founder and maintainer. Track record of working on high performance multi-threaded applications and distributed systems.

## CONTACT

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## EDUCATION

George Mason University  
B.S. Computer Science 2021

## SKILLS

### PROFICIENCIES

Systems Programming  
Distributed Systems  
Embedded Systems  
Computer Hardware  
Open Source Software

### PROGRAMMING LANGUAGES

Rust  
C/C++  
Java  
Python  
SQL  
Shell  
HTML/CSS

### TECHNOLOGIES

Kubernetes  
Docker  
Helm  
ArgoCD  
Google Cloud Platform  
Nix

### OPERATING SYSTEMS

Arch Linux  
RHEL/Fedora  
Debian/Ubuntu  
OpenWrt  
Windows  
FreeBSD

### APPLICATIONS

Git  
Subversion

## EMPLOYMENT

**TenX** Singapore  
Software Engineer Mar. 2018 to Current  
Building, maintaining, and documenting the TenX platform using test-driven development and agile programming methodologies. Packaging and deploying Rust and TypeScript software to Kubernetes with Helm and ArgoCD. Participating in code and security reviews and implementing software engineering best practices. Identifying technical requirements and producing estimates.

**Kajeet** McLean, VA  
Programming Intern May 2016 to Aug. 2017  
Rewrote, documented, and maintained multi-threaded packet filtering and metering software developed in C with POSIX 2008 extensions. Worked with Subversion, CentOS Linux, and Netsweeper filtering software. Assisted with various IT tasks alongside network administrator, troubleshooting user errors.

**George Mason University** Fairfax, VA  
IT Security Intern Jan. 2016 to May 2016  
Assisted in the identification of infected or compromised systems on the campus WAN. Monitored the network for threats and suspicious activity using Symantec Endpoint Security, HP ArcSight Logger, and FireEye. Trained alongside the campus security team, learned how to report threats using the BMC Service Desk Express ticketing system.

**Kajeet** McLean, VA  
Engineering Intern Jan. 2015 to July 2015  
Designed and built a centralized network documentation database application in Microsoft Access. Trained alongside network administrator, assisted in the maintenance of several RHEL, CentOS Linux and Windows servers and workstations. Ran reports and issued SQL queries on a case-by-case basis. Compiled and benchmarked custom C++ software for embedded devices running OpenWrt, worked as part of international development team.

**OTB Contracting** Manassas, VA  
Programmer July 2013 to Aug. 2013  
Developed ladder logic PLC software using DirectSOFT 6 for a pneumatic volume meter intended for road construction purposes. Worked for 5 weeks from July to August 13, also worked part-time on weekends during school year.

## PROJECTS

**Amethyst Engine (amethyst.rs)** Dec. 2015 to Jan. 2019  
A highly parallel data-driven game engine written in Rust, distributed under the terms of both the MIT License and the Apache License v2.

**PushBuddy (pushbuddy.me)** Feb. 2016 to Feb. 2016  
Universal file syncing desktop client for multiple cloud services. Currently works with Dropbox, expandable to many others. Written entirely in Java. Project won 2nd place at VT Hacks III.

## AWARDS

**Major League Hacking · Second Place Winner - VT Hacks III** Feb. 2016  
Placed 2nd out of 54 teams in the third Virginia Tech Hackathon. Awarded for the creation and presentation of PushBuddy (see above).

## ACTIVITIES

**Mason Linux Users Group · Member** Feb. 2016 to Feb. 2019  
Mason LUG is a vehicle for curious students to learn about Linux and free software in a social setting, create and contribute to free software projects, and advocate for the use of Linux and free software on campus.

**GMU Patriot Hackers · Member** Feb. 2016 to Feb. 2019  
Patriot Hackers is a student-run cyber security group based in George Mason's Fairfax campus. We strive to teach cyber security concepts and help students develop industry grade skills. This includes weekly meetings and labs where we team up with Mason LUG.

**Student-Run Computing and Technology · Member** Feb. 2016 to Feb. 2019  
Student-Run Computing and Technology (SRCT, pronounced "circuit") is a group which seeks to enhance student computing at Mason. SRCT focuses on establishing and maintaining systems which would provide specific services to the general Mason community.

**Students for the Advancement of Computer Science · Member** Jan. 2017 to May 2017  
Students for the Advancement of Computer Science (STACS) is an organization for students to discuss the latest academic research on computer science produced by the greater scientific community.