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

ebkalderon@gmail.com
eyalkalderon.com
571-355-9778
Fairfax, VA
ebkalderon
ebkalderon

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
Microsoft Office

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 software to staging and production environments. Participating in code and security reviews and development of software engineering best practices. Identifying technical requirements and producing estimates.

Kajeet — McLean, VA
Programming Intern — May 2016 to Aug. 2017
Rewriting, documenting, and maintaining multi-threaded packet filtering and metering software written in C with POSIX 2008 extensions. Working with Subversion, CentOS Linux, and Netsweeper filtering software. Assisting 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 for coworkers on a case-by-case basis with Microsoft Access. 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.