Sean M. Richardson

3637 Canyon Crest Dr. Riverside, CA 92507
Phone: 951-218-6885
Website: https://vastopol.github.io/
Email: smrprogramming@gmail.com | srich009@ucr.edu

Objective:
- Highly-motivated college student with excellent communication skills, seeking internship experience.

Education:
- University of California Riverside – 4th year, Expected Graduation Fall 2019
  - B.S. of Computer Science, GPA: 2.98
- Ramona High School   –   Graduated June 2014, GPA: 4.1

Experience:
- UCR: Dean's Office in College of Humanities, Arts, and Social Sciences
  Student Intern (June 2018 - August 2018)
  - Focused on securing IoT devices and public access kiosks
  - Designed custom system administration scripts
  - Configured group policies for office work stations
  - Assisted in installing campus computing center

Projects: Github: vastopol | srich009
- FPL_Interpreter – https://github.com/vastopol/FPL_Interpreter
  A recursive decent interpreter for a high level functional programming language I designed and built using C++.
- Inspector_Gadget – https://github.com/vastopol/Inspector_Gadget
  A return-oriented programming security exploit finder. This can disassemble an executable binary and look for ROP gadgets in an application.
- EDU_Crawler – https://github.com/srich009/EDU_Crawler
  A custom search engine and web crawler for .edu pages, implements a page ranking method. Data is crawled, indexed, and served to a webpage. Backend written in Java
- Soxbox – https://github.com/vastopol/soxbox
  An interactive musical synthesizer command line tool. Written in python using the sox audio exchange package.

Professional Skills:
- Programming Languages: C++, Python, Java, C, BASH Shell
- Knowledge of computer security and endpoint IoT security concepts
- Familiar with AVR/Atmega microcontrollers & Atmel Studio
- Familiar with Windows, Macintosh, and Linux OS Platforms

Activities:
- ACM – The Association for Computing Machinery member
- Cyber@UCR – UCR Cybersecurity Club member
- Guardian Scholars Program for Foster Youth – Member and Scholarship Recipient