Elliot Alderson

Cybersecurity Engineer

Highly talented and accomplished IT professional with 10+ years industry experience specializing in cybersecurity. Proven ability to deploy, administrate, maintain and secure IT infrastructures. Also, I'm an imaginary software engineer from the american drama—thriller television series *Mr. Robot*, created by Sam Esmail.

Contact

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https://elliotalderson.com

New York City, USA Github: *elliotalderson* Linkedin: *elliotalderson*

Disposition

I'm looking for consulting work as a full time contractor for companies based in NYC or companies that allow remote work.

Work Experience

Allsafe Cybersecurity

01-01-2014 - 01-01-2016

Chief Cybersecurity Engineer

New York City, USA

At my job with Allsafe Cybersecurity I'm responsible with maintaining and securing client IT infrastructures.

Highlights

- Developed and implemented online security procedures
- Worked with management to set security standards and manuals

IAM UNIX IPSec VPN EIGRP

BigCorp Inc. 01-01-2012 - 01-01-2014

Cybersecurity Engineer New York City, USA

My responsibility at BigCorp Inc. was to find holes in their system, until it was 'hacker-proof'.

Highlights

- Developed complicated network infrastructure from scratch
- Secured running applications and full network infrastructure

OSPF BGP SSH ModSecurity Fail2Ban RKHunter Nmap

Education

Columbia University

01-01-2010 - 01-01-2011

Computer Security, Master (4.0 gpa)

New York City, USA

Computer Security

Columbia University

01-01-2008 - 01-01-2011

Computer Science, Bachelor

New York City, USA

Computer Science

References

Angela Moss

Account Executive, Allsafe Cybersecurity

⁶⁶ Elliot is a very loyal and competent employee.

Gideon Goddard

CEO, Allsafe Cybersecurity

⁶ Elliot is a very loyal and competent employee.

Projects

OpenDoor

Command line application

https://github.com/elliotalderson/opendoor

01.01.2014 - Present

A tool to check a system for open ports and other known security holes

C++

Open Source

Tor 01.01.2010 - Present

Desktop Application

https://gitweb.torproject.org/tor.git

Tor is free software and an open network that helps you defend against traffic analysis, a form of network surveillance that threatens personal freedom and privacy, confidential business activities and relationships, and state security.

С

F-coin 01.01.2015 - Present

Cryptocurrency http://git.fcoin.org

F-coin is a peer-to-peer cryptocurrency and open source software project released under the MIT/X11 license

Cryptocurrency

C++

Qualifications

Cybersecurity Specialization

01.01.2015

Course University of Maryland

The Cybersecurity Specialization covers the fundamental concepts underlying the construction of secure systems, from the hardware to the software to the human-computer interface, with the use of cryptography to secure interactions.

Cryptography

Hardware Security

Software Security

ITIL® Master Qualification (ITILMA)

01.01.2012

Certification Exin

The ITIL Master Qualification Certificate validates the capability of the candidate to apply the principles, methods and techniques from ITIL in the workplace.

Problem Management

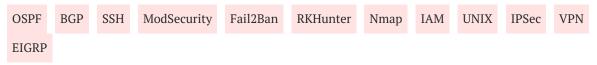
IS Governance

Risk Management

Skills

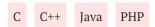
Computer Security

Although to completely secure a system you have to know every layer of the stack, there are some common tools that I use on a regular basis.



Programming

I use the tool which is right for the job, and I am certain I can pick up any programming language that is necessary to get the task done.



Recognition

Google Summer of Code

01.01.2012

Award Google

Google Summer of Code is a global program that offers post-secondary student developers stipends to write code for various open source software projects.

Java

Writing

Applied Cryptography

01.01.2014

Book O'Reilly Media

Cryptography or cryptology is the practice and study of techniques for secure communication in the presence of third parties called adversaries. More generally, cryptography is about constructing and analyzing protocols that prevent third parties or the public from reading private messages;

Cryptography

Reading

Post-Quantum Cryptography

01.01.2009

Book

Daniel J. Bernstein and Johannes Buchmann

This book is an essential resource for students and researchers who want to contribute to the field of post-quantum cryptography.

Cryptography

RSA

DSA

ECDSA

Speaking

Viability and the future of cryptocurrencies

January 6, 2017

Real World Cryptography Conference 2017

Columbia University in New York City

In this talk I gave a brief overview of the cryptocurrency landscape, arguments for and against its viability, and my opinion about the future.

cryptocurrency

F-coin

Patents

Anonymous peer-to-peer verification through cryptographic key-address mapping (US11111FAKE1234)

Issued 01.01.2016

Disclosed is a method for peer-to-peer verification through cryptography key-address mapping, which allows users of a cryptocurrency to verify the authenticity of a transaction without the need to disclose privat information of involved parties.

F-coin

cryptocurrency

Languages

English: Native, 26 year(s) **French:** Elementary, 1 year(s)

Governance

Tor browser 01.01.2015 - Present

Non-Profit Organization

Protect your privacy. Defend yourself against network surveillance and traffic analysis.

encryption

Service

ACLU 01.01.2015 - Present

Non-Profit Organization

125 Broad St., 18th floor, New York, NY 10004

ACLU's mission is to defend and preserve the individual rights and liberties guaranteed to every person in this country by the Constitution and laws of the United States.

Privacy

Free Speach

Interests

Arduino

I love to play around with hardware once in a while. I build myself a simple cellphone (on Arduino). Next I want remove the arduino, and custom print my chip design to get the size down.

Gaming

I don't play as often as I used to, but once in a while I still love to loose myself in a great game.