CHRISTOPHER
NGO

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Skills

LINUX

AWK/BASH/SED
CIFS/SMBFS
DHCP
Docker
Git
Kickstart/PXE
NFS
RAID

NETWORKING

Cisco IOS
Firebug
OSI and TCP/IP Models
Routing
Subnetting
Wireshark

SECURITY

ACL
BURP Suite
Fiddler
IDS/IPS
Kali Linux
Metasploit
Nessus
Nexpose
Nmap

VIRTUALIZATION

Oracle VirtualBox
VMware vSphere ESXi
VMware Workstation

WEB

Flask
HTML/CSS
JavaScript
jQuery
MEAN Stack

Experiences

Make School
Consultant   Mar 2017 - Current
- Advise on hardware/software engineering projects for students
- Lead workshops and teach iOS development

Cambridge 2 Cambridge
U.S. Team Captain   May 2017 - July 2017
- Placed in Top 15 competitors of MIT Cambridge Cybersecurity National Qualifiers
- Represented the U.S in Forensics and Penetration at University of Cambridge, U.K.

Quanta
Test Engineer (Server NPI & Sustaining Group)   Jul 2015 - May 2017

Amazon AWS | EMC VxRail | Facebook CDN | Microsoft Azure/Bing | Open Compute Project | QCT STRATOS | QuantaGrid | QuantaPlex | QxStack (VMware EVO SDDC)
- Defined and implemented L10-L11 server rack systems test programs in BASH, Perl, Python, SQL, and TTL
- Designed and managed lab networks (Arista/Cisco/Delta/FBOSS/Juniper/ONIE)
- Wrote Linux automation programs for mass-production tests and firmware flash (BIOS, BMC, CMC, FRU, HDD, NIC, SSD, TPM)

Hackathon Hackers
Hacker | Mentor   May 2014 - Oct 2016
- Open Source projects at devpost.com/ingochris
- Toured North America to compete, mentor, and teach at 50+ Hackathons

Violin Memory
CS Intern   Oct 2013 - Jun 2014
- Built and administrated Salesforce CRM and knowledge base
- Configured Callhome for customer and internal systems through SSH
- Spearheaded data migration project from Google Cloud to SharePoint (In-House)

Professional Affiliations

Clarifai Champion (Devangelist)	**HackingEDU** Mentorship Director
Hackster Hardware Programming Ambassador	**SiliconHacks** Board of Directors
Spectra Technical Director	**Stanford University** Security Research Scholar

Technical Certificates

Cryptography CybraryIT	**Metasploit** CybraryIT
Computer Forensics Rochester Institute of Technology	**Network Security** Rochester Institute of Technology
MongoDB Python Developer MongoDB University	**SQL Relational Databases** Stanford University

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Projects

SUMMONING SURGE - FACEBOOK, MENLO PARK
- Designed and programmed a videogame in C#, powered by the Unity 5 Game Engine

SECUREDROP – INTERNET ARCHIVE, SAN FRANCISCO
- Improved an open-source software platform for secure anonymous communication between journalists and whistle-blower sources

TOUCAN – "DESIGN THE FUTURE OF WIKIHOW", SAN MATEO
- Programmed an app in C and JavaScript through CloudPebble to take natural language voice dictation input, scrape wikiHow's API GET response, determine best instructions (Python fuzzy string matching), and output to Pebble smartwatch
- Winner of HackingEDU Hackathon 2015

JUNI - JUNIPER NETWORKS, SUNNYVALE
- Developed a web-wide scalable AI-enhanced Text-Editor in JavaScript that allows everyone to perform research in an easy and streamlined form-factor
- Winner of Silicon Valley Hackathon 2016

INFINITYENCRYPTION - CALIFORNIA INSTITUTE OF TECHNOLOGY
- Created a new method of PGP RSA encryption key algorithm seed entropy generation with the Synaptic Telegraphe prototype using Windows API through Python, demonstrated by JavaScript front-end

AUTOMATE – UNIVERSITY OF CALIFORNIA, BERKELEY
- Automated online dating by reverse engineering a private API through network traffic sniffing to connect computer vision and machine learning: a robot that can analyze, rate, and swipe "selfies" of Tinder users

HF TRANSLATOR - UNIVERSITY OF CALIFORNIA, BERKELEY
- Built a speech-to-speech hands-free translator using Google's Web Speech API for transcription and vocalization, wrapping Google's Translate API

REYODA – UNIVERSITY OF CALIFORNIA, LOS ANGELES
- Created MEAN stack (MongoDB, ExpressJS, AngularJS, NodeJS) web app that leverages Mashape's and ReSpoke's RESTful API's to "Yoda-fy" user messages prior to transmission

CHARITYOR.ME – UNIVERSITY OF CALIFORNIA, SAN DIEGO
- Developed run-of-the-mill To-Do Task list app... with the unique feature of punishing overdue tasks by donating money from bank accounts to charities with the Venmo API as motivation

CISCO JAILBREAK – UNIVERSITY OF CALIFORNIA, SANTA BARBARA
- Analyzed and exploited a vulnerability in Cisco's Mobility Service Engine through Cisco's API to circumvent the system's location tracking services security function

EVERYCHAT - UNIVERSITY OF PENNSYLVANIA
- Fused Comcast's EveryBlock API and the Yik Yak API, by reverse engineering, to create a real-time conversation app powered by NodeJS and Socket.io for agile communication with nearby users about ongoing events per device geolocation

FIST PUMP – UNIVERSITY OF SOUTHERN CALIFORNIA
- Developed Unity Oculus Rift videogame utilizing Leap Motion sensors for augmented reality
- 3D-Printed peripheral hardware to bridge the Rift and Leap Motion using Google Sketchup