

CHRISTOPHER NGO

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Skills

LINUX: AWK, BASH,
CIFS/SMBFS, GIT, NFS,
PXE, RAID, REGEX

NETWORK: Cisco IOS,
Firebug, OSI Model,
TCP/IP Model, Routing,
Switches, Subnets,
Wireshark

SECURITY: ACL, BURP,
Fiddler, IDS/IPS, Kali,
Metasploit, Nessus,
Nexpose, Nmap

VIRTUALIZATION:
Oracle VirtualBox,
VMware (Player, vSphere
ESXI, Workstation)

WEB: Flask, HTML/CSS,
JavaScript, jQuery, MEAN
Stack

Honors

Top 5% of RITx
Computer Forensics
(Class of 21,680
Students)

Winner of WWC
Hackathon 2017

Winner of Silicon Valley
Hackathon 2016

Winner of HackingEDU
Hackathon 2015

Education

Rochesters Institute of
Technology (RITx)
Cybersecurity

42 Silicon Valley
Computer Science

Experiences

Make School Consultant

Mar 2017 - Current

- Advise on hardware/software engineering projects for students
- Lead workshops and teach iOS development

Cambridge 2 Cambridge Pentester (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

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

Amazon AWS | EMC VxRail | Facebook CDN | Microsoft Azure/Bing | Open Compute
Project | QCT STRATOS | QuantaGrid | QuantaPlex | QxStack (VMware EVO SDDC)

- Developed and implemented L10-L11 server rack system test software in BASH, Perl, Python, SQL, and TTL
- Designed and managed lab networks (Arista/Cisco/Delta/FBOSS/Juniper/ONIE/Palo Alto Networks)
- 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)

Hackster

Hardware Programming Ambassador

Spectra

Technical Director

HackingEDU

Mentorship Director

SiliconHacks

Board of Directors

Stanford University

Security Research Scholar

Technical Certificates

Cryptography

CybraryIT

Computer Forensics

Rochester Institute of Technology

MongoDB Python Developer

MongoDB University

Metasploit

CybraryIT

Network Security

Rochester Institute of Technology

SQL Relational Databases

Stanford University

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; Google Sketchup of 3-D Printed VR peripheral