

CHRISTOPHER NGO

✉ ingochris@gmail.com
☎ 408-518-0692
📍 SF Bay Area, California
🌐 Github.com/ingochris
in Lnked.in/ingochris

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

Extracurricular Projects

JUSTICEMATCH - PAYPAL, SAN JOSE

- Created an aggregated social network for easy yet effective social signal boost with facebook, instagram, twitter APIs

NUTRIFEYE - UNIVERSITY OF CALIFORNIA, BERKELEY

- Wrote a phone web app to track user macronutrition intake from camera with Google Cloud Computer Vision and USDA database API

AINOMALY - UNIVERISTY OF WATERLOO, CANADA

- Wrote surveillance analysis incidence response software for the Canadian Special Forces using Computer Vision and TensorFlow machine learning artificial intelligence

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 with CloudPebble to take natural language voice dictation input, scrape wikiHow, and determine best result (Python fuzzy string matching) for smartwatch output

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

INFINITYENCRYPTION - CALIFORNIA INSTITUTE OF TECHNOLOGY

- Created a new mode of PGP RSA encryption key algorithm seed entropy generation by the Synaptic Telegrapher prototype in Python (Win7 API)

AUTOMATE - UNIVERSITY OF CALIFORNIA, BERKELEY

- Reverse engineered Tinder API by wireshark network sniffing to automatically analyze, rate, and swipe "selfies" with computer vision

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 web app that leverages Mashape's and ReSpoke's RESTful APIs to "Yoda-fy" user messages prior to transmission

CHARITYOR.ME - UNIVERSITY OF CALIFORNIA, SAN DIEGO

- Developed To-Do list app that punishes overdue tasks by donating money from bank accounts to charities through Venmo API

CISCO JAILBREAK - UNIVERSITY OF CALIFORNIA, SANTA BARBARA

- Analyzed and exploited a vulnerability in Cisco's Mobility Service Engine to circumvent the system's location tracking services security feature

EVERYCHAT - UNIVERSITY OF PENNSYLVANIA

- Reverse engineered Yik Yak API to make real-time chat app powered by NodeJS and Socket.io in geolocation fences (Chrome and Comcast)

FISTPUMP - UNIVERSITY OF SOUTHERN CALIFORNIA

- Developed Unity Oculus Rift videogame utilizing Leap Motion sensors for augmented reality; Google Sketchup of 3-D Printed VR peripheral