



# Chris Cohen

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- Github <https://github.com/cohenchris>

## EDUCATION

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Aug. 2017 – May 2021

### Bachelor of Science at Purdue University

- Software Engineering and Cybersecurity
- 8x Dean's List, 7x Semester Honors
- **3.83 GPA**

## EMPLOYMENT

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May 2021 – Present

### Qualcomm, Secure Systems Group

*Software Engineer – San Diego, CA*

- Developed a ROM-backed feature which creates a device-unique, verifiable boot certificate chain (BCC), which attests to the exact state of hardware and software running on the device.
- Took full ownership over creating the BCC library, which has been stamped on the Qualcomm Snapdragon SM8650, and 5+ upcoming mobile and automotive chips.
- Worked with internal DRM team to use BCC for a new generation of our Remote Key Provisioning feature. This allows for a variety of use-cases, including, including remote provisioning of a device as it leaves the factory, secure video playback, and remote device attestation for customers.

May 2020 – May 2021

### Qualcomm, Government Division (QGOV)

*Software Engineering Intern – Remote*

- Developed an Android app for a Qualcomm chipset feature that ensures secure wireless connection, communicating information about malicious access points to the user.

## EXPERTISE

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|           |   |     |        |                  |      |            |
|-----------|---|-----|--------|------------------|------|------------|
| Languages | C | C++ | Python | ARM/x86 Assembly | Bash | Javascript |
|-----------|---|-----|--------|------------------|------|------------|

### Security Clearance

- Secret clearance through 2024.
- Approved for a Top Secret clearance in March 2023.
  - This clearance has lapsed - I voluntarily moved from QGOV to Qualcomm corporate for cryptography work.

## PERSONAL PROJECTS

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April 2020 - Present

### Home Lab

- Achieve internal network isolation and security using a custom firewall and 5 VLANs.
- Host multiple open-source, privacy-focused services, such as a DNS-level adblocker, email, meta-search engine, and cloud server.
- Automate backup of server config and personal files, following the 3-2-1 backup industry standard, allowing for a full restoration using 1 command.
- Continuously evaluate network architecture to follow the most bleeding-edge security practices.