

# Ethan Morchy

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## SUMMARY

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Ethan is a specialist in computer security with an emphasis on cryptography and binary exploitation. Seeking to utilize red team skills that benefit the company while consistently learning from the job and from others.

Exemplifies leadership and communication as a dedicated Eagle Scout and Assistant Scoutmaster for Boy Scout Troop. Autodidact who enjoys challenging problems, especially when it comes with a learning opportunity.

## EDUCATION

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### Los Angeles Pierce College

*Majoring in Computer Science (Bachelors of Science)*

### Los Angeles City College

### Los Angeles Mission College

### Grover Cleveland Charter High School

Los Angeles, CA

*Fall 2022 - Present*

Los Angeles, CA

Mission Hills, CA

Jun 2022

## SKILLS

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Languages: Python, C, C++, Rust, Assembly (MSP430, x86), Bash

Operating Systems: Debian, Ubuntu, Qubes, Fedora, Windows

Soft Skills: autodidact, persistent, critical thinking, communication

## WORK AND VOLUNTEER EXPERIENCE

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### Boy Scouts of America

*Assistant Scoutmaster*

Granada Hills, CA

*Oct 2022 - Present*

- **Assistant Scoutmaster:** Volunteer time towards helping youth become strong leaders in their troop and community. Serve as a knowledgeable adult leader who emphasizes Boy Scout values and help scouts to achieve Eagle rank.

### Temple Ramat Zion

*Religious School Teacher's Assistant*

*B'nei Mitzvah Tutor*

Northridge, CA

*Sep 2017 - May 2019*

*Feb 2018 - Feb 2023*

- **Religious School Teacher's Assistant:** Taught third and fifth graders Hebrew words and aspects of Judaism.
- **B'nei Mitzvah Tutor:** Prepared 12-year-old Jewish children for their Bar and Bat Mitzvah.

## EXTRACURRICULAR ACTIVITIES

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### Helios Project

Apr 2021 - Jun 2022

- **About:** CSUN computer science project where six members use artificial intelligence in conjunction with Microsoft's Hololens to decrease the effect of Alzheimer's on the elderly.
- **Leadership:** Spearheaded research in image processing and text classification using machine learning. Gained an understanding of neural networking and Tensorflow in Python.

### Cybersecurity Club

Aug 2019 - Jun 2022

- **Leadership:** Served 3 years as President.

### CTF Group

Dec 2019 - Jan 2023

- **About:** Weekly collaboration to prepare and participate in biweekly CTFs.
- **Leadership:** Presented a cryptography talk about the RSA algorithm's math, applications, and vulnerabilities.

### Boy Scouts of America

Mar 2015 - Present

- **About:** Prepares young people to make ethical and moral choices by instilling values of the Scout Oath and Law.
- **Leadership:** Assistant Scoutmaster, Senior Patrol Leader, Assistant Senior Patrol Leader, Patrol Leader, Assistant Patrol Leader, Den Chief, Troop Guide, Chaplain Aide
- **Community Service:** Completed over 450 hours of community service during Boy Scout membership.

## ACHIEVEMENTS

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**Eagle Scout:** Spent years learning leadership and necessary life skills. Dedicated over 300 hours towards planning, pitching, fundraising, and executing the Eagle Scout project, which entailed organizing and managing the painting of lampposts and poles, the planting of fruit trees, and the refurbishing of benches in the synagogue.

**National Cyber Scholarship:** Awarded a scholarship in for placing 26th out of 3,277 competitors.

**Microcorruption:** Completed all challenges (ranked top 3% of all players). First in the world to solve the 23rd level.