



A Guide to Ethical Hackers

Luke Sprecher and Gavin Waibel

Tasks/Responsibilities of an Ethical Hacker:

- Simulate cyberattacks and exploit vulnerabilities in a system
- Suggest ways to improve security
- Report any findings to the contractor



Required Education and Skills

Required Education:

- A CEH (Certified Ethical Hacker) or other related certifications is the minimum
- Bachelor's Degree is recommended, but not required

Needed Hard / Soft Skills:

- Strong understanding of networking, OS, programming, and penetration tools
- Communication, problem solving, critical thinking, and efficiency



Entry Level Salary	Mid-Career Salary	Senior-Level Salary
\$39,000 - \$78,000	\$90,000 - \$130,000	\$120,000 - \$176,000



Salary

Job Outlook

The job outlook for Ethical Hackers is high.

The growth rate for the next ten years:

33%



Luke Sprecher & Gavin Waibel

Connection to SEWD

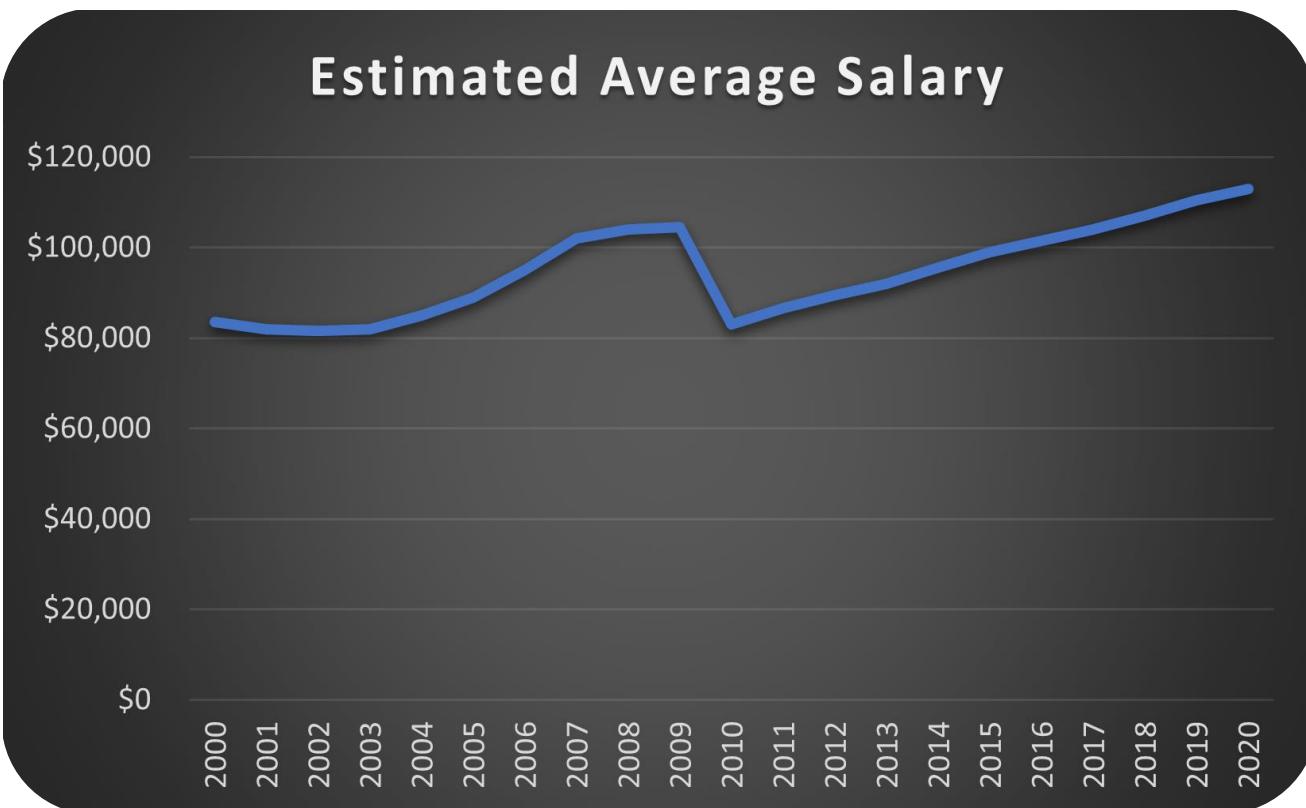


Skills Related to Our Program:

- Programming is pivotal for hacking
- You need to have the ability to rework/reverse engineer software and code
- Knowledge on SQL Databases and servers are critical
- Advanced computer knowledge is necessary too

Luke Sprecher & Gavin Waibel

Salary Trend from 2000-2020



Sources

Bureau of Labor Statistics (BLS):

<https://www.bls.gov/careeroutlook/2018/interview/cybersecurity-consultant.htm>

Indeed.com:

<https://www.indeed.com/career-advice/finding-a-job/how-to-become-ethical-hacker>

Career One Stop:

<https://www.careeronestop.org/Toolkit/Training/find-certifications.aspx>

