

Senior Project Proposal
Learn to Hack
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Ms. Roma
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Driving Question

Summarize your project into a driving question:

How can I learn to make money from hacking in a legal and ethical manner starting from no experience?

Summary

This section should include information for those readers who will not read the entire document but who will need a summary of the proposal.

Describe what your project is, minimum of 1 paragraph. The summary should include what your project is, the end goal of your project, why you chose this as your project, and why you chose it.

In my project I will be learning how to hack. The main focus of my project will be on hacking webapps since this seems to require the least amount of experience and has way more information available about it. The goal of my project will be to learn enough about hacking to make consistent money from bug bounties and potentially even get a certification.

I chose this project because I want to do hacking as my main job after I finish high school, and this seems like a good way to get started.

How is this project innovative?

Innovation means taking an idea or object and making it new and original. How does your project demonstrate new ideas that are original and creative in thinking?

In my project I will make some of my own tools to streamline and improve my hacking process and potentially to automatically scan for bugs, though many companies don't like scanners because they are seen as lazy.

What type of product will your project produce?

By the end of your project, you will need a product to demonstrate what you have accomplished. For example, a video, website, paper, physical product, pamphlet, presentation etc.

I will create a presentation on what I have accomplished as well as creating a digital portfolio of my hacking accomplishments and a resume for future hacking jobs.

How are you sharing your project?

You must share your project beyond our classroom and school. How will you share your project? For example: publishing on a platform that select audience would have access to (YouTube, website, blog, Etsy shop, social media.), Sharing your products at the spring boutique,

engaging in community events, performing for a group, sharing with your extended family, etc.

The nature of my project will have me sharing my efforts and results with the hacking community and the companies that I am performing tests for.

Project Competencies and Emotional Quotients

[Link to list of EQ's and Competencies](#)

Include information on the three AAI project competencies and/or emotional quotients your project will meet. You will need a minimum of three competencies/emotional quotients but can add more if you please. If you are seeking credit for a specific class, please talk to your Capstone teacher.

Competency/ Emotional Quotient One	Inquiry Research & Analysis A
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Competency/ Emotional Quotient Two	Inquiry Research & Analysis B
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Competency/ Emotional Quotient Three	Inquiry Research & Analysis C
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Goals and Objectives

State the desired goals and objectives to address the needs/problems stated above. Also, include key benefits of reaching goals/objectives. What skills and talents do you plan to use? What skills do you hope to develop?

Goal One	Benefit One
Learn basic exploits and how to use tools to look for them.	Learning the basics will be necessary no matter what area of Ethical Hacking I end up doing.
Goal Two	Benefit Two

Find a bug in a bug bounty program.	Practicing on real targets will help me learn the difficulties of working with real-life applications and will help me learn the process of hacking.
Goal Three :3	Benefit Three
Begin learning more advanced bugs and some of the automated features of the tools. Potentially begin developing custom tools.	Learning more advanced bugs will help develop my skills and get me thinking more creatively when it comes to hacking.

Timetable

Provide detailed information on the expected timetable for the project. Break the project into phases and provide a schedule for each phase.

	Description of Work	Start and End Dates
Phase One	Learn the basics of hacking and exploiting web applications.	June 15, 2023 – October 31, 2023
Phase Two	Begin hacking & practicing on real targets.	November 1, 2023 – January 31, 2024
Phase Three	Learn more advanced exploits and features of tools and learn how to make my own tools. Maybe investigate hacking other types of systems/targets	February 1, 2024 – March 31, 2024
Phase Four	Begin creating presentation on what I've done & learned, take ethical hacking course or begin studying on my own to get certification.	April 1, 2024 – Project Deadline

Project Log

You are responsible for tracking all of your hours for your grade-level project. How do you plan to record your time? (I.e. excel, journal, time tracker, calendar, notes, etc.)

I am keeping track in a document on my laptop. I record into my phone every time I work on my project and later put it in my laptop when I have the chance.

Budget and Resources

State the proposed costs and budget of the project. AAI does not contribute to the fund of your project. Also, include information on how you intend to manage the budget (If your project does not need a budget, please still list the different supplies or resources you will be using.)

	Description of Supplies/Labor	Cost
Phase One	Mostly learning from online tutorials and resources.	0.00
Phase Two	Hacking on actual targets using free tools.	0.00
Phase Three	More learning online, and also making my own tools potentially.	0.00
Phase Four	Taking a course or studying for a certification. May be expensive. Will likely require financial aid.	\$3-13K
Total		\$ 3-13k

Community Engaged Learning (CEL) *SENIORS ONLY*

if you are not a senior, delete this section Seniors, a part of your portfolio requirement is to complete some service in your community. Your Capstone class will provide at least one service opportunity you can use, however you are not obligated to choose that as your CEL. Please list how you will complete your CEL below. If you plan on doing your Capstone class service please list a back-up idea in case you are unable to attend your class service day. See your portfolio checklist for more details.

I plan on using my capstone class's service opportunity, however, if I am unable to attend for whatever reason, I will help people register to vote who are unable to or don't know how to.