CIS4360 Some Project topics

1. **Web Application Attacks. Cross-Scripting attacks (XSS):** Jamine Guo
   1. **SQL Injection:** Ethan Letourneau
   2. **Path transversal, Local file inclusion, DDoS attacks:** Max Casteneda, Hung Tran, Joshua Story
2. **Social networking threats:** Tyler Velazquez, Joshua Henderson, Laura Segura, Kevin Williams, Alexandra Sayers
3. **Securing the IoT (Internet of Things) [or the Internet of Everything (IoE)]:** Gradon Stone, Sarah Meinel, Marcus Cesar, Emmanuel Gonzales, Andrew Hurdis, Benjamin Hybart
4. **Critical Infrastructure resiliency:**
5. **Smart Grids, resiliency**
   1. **Electric grid:** Emilio Murillo
6. **First principles in Cybersecurity (includes an application):** Christopher Madden, Miguel Molina, Brendan Gressel, Benjamin West, Eli Sickler,Chris Madden
7. **Blockchain, decentralized consensus ledgers:** Abigail Arraguin, Justin McKenzie
   1. **Etherium, smart contracts, proof of stake, provenance**
   2. **Blockchain and Smart Contracts:** Sage Vaillancourt, Steven Newman
8. **Securing unmanned aerial vehicles (drones), stream authentication:** Ryan Leigh, Bryce Hart
9. **5G technology, challenges and security issues:** Shawn Finnerty, Gloria Bautista
10. **Beyond 5G , the next generation**
11. **Digital Forensics:** Logan Faust
12. **Computer Forensics:** Davis Lowe, Shadi Elsamra, Page Lang
13. **Biometrics Crypto:** Matthew Smith-Kennedy, Chris Bucher, Chaese Washington, Matthew Klopfenstein
14. **Vulnerability Analysis, penetration testing:** Robert Cimarelli, Kyle Cody, Dustin Flematti
15. **The impact of new technologies on our society, democracy, political systems. What is the responsibility of the tech providers, and the scientists who design the technologies (think of a decentralized consensus banking system that has taken over ourBanking Industry, and then crashes).** 
    1. **The impact of new technologies on our society, democracy, political systems**: Eric Almanza-Lira, Cody Peacock, Robert Consuegra, Donavan Duplessis
16. **Cyber Security for online payment systems:** Cameron Kasten
17. **How game consoles and online games protect user accounts (integrity/privacy):** Kevin Turner
18. **The use of DNA computers to break DES:** Mikayla Buckley
19. **Quantum computing and security implications:** Christian Watkins, Steven Perez
20. **The Enigma Machine:** Gabriel Siewert
21. **Cybersecurity of payment systems:** Cameron Kasten
22. **Public WIFI security:** Betty Tannuzzo
23. **Bot detection through traffic Analysis:** Andres Ibarra
24. **Java Security:** Christian Barth