NOVASIGHT
Real Time Online Security & Monitoring Application
Partnered with Novacoast
● Data leaks are an ever prevalent problem

● What we can change is the response time to address these data leaks
NOVASIGHT
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Team: Human Error Is A Myth

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Need for a system to combat these attacks

- Personal Device Leaks
- Company Database Leaks
- There are security analysts who work to prevent and detect these breaches
- This is extremely time consuming due to the scale with which these breaches occur both in size and frequency
Our Solution

- Minimizes Response Time
- Centralized and Automated Web Application
  - Simultaneously scrapes: pastesites, breached databases, darkweb marketplaces
- Analysis Algorithm
- Proactive Alerting System
type: Visa
number: 4539 3957 6957 5263
cvv: 672
exp: 05/18
name: ALEXANDRA JEFF
The Sensor

- Our tool to put together all the search terms that may be helpful in finding your information
- Terms include name, email, company, etc.

*One sensor will look for each of these search terms.*
How it works

- Create Sensor
- DarkWeb
- Breached Databases
- Pastesites
- Notification System
- Alert User
Pastesites

- Pastesites allow us to find leaked personal information that has been exposed
- We use Selenium to streamline the data gathering process
- Selenium allows us to automate tedious tasks otherwise required of security analysts
Breached Databases

- System will monitor breached databases and email/password exposure (i.e. HaveIBeenPwned Database)
DarkWeb MarketPlaces/Forums

- In addition, we monitor Dark Web sources for data
- Less regulation than pastesites
Notification System

- We notify users in real-time of any detected breaches
- Allowing our users to immediately address any information leak
Technologies Used in Implementation

- Parallel asynchronous architecture allows for independence between modules.
- Extensible backend architecture
- Our REST API allows developers to call an individual module that suits their needs.

REACT

Selenium
Impact

● Viable for both consumers and corporations.

● With our API we can connect our system to all these other identity management systems
  ○ This is defensive software

● This application has implications for EVERYBODY, security affects EVERYBODY
THANK YOU!
Questions?