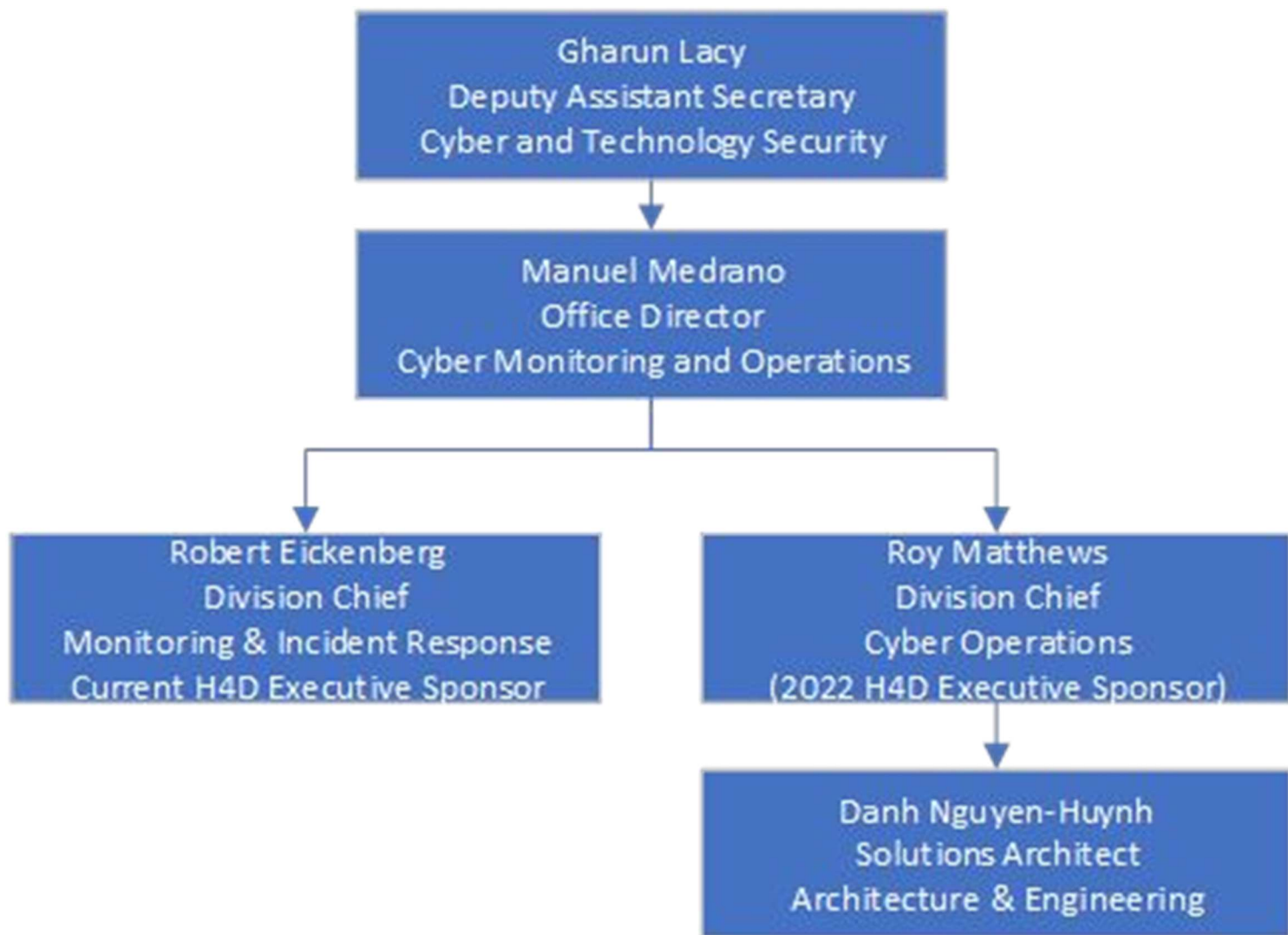


DS-19 Week 6

Kyle, Sabran, Jacob, Dani, Vimal

Interviews Completed: 14

Scheduled: 4



Problem Statement

Network defenders in the Monitoring and Incident Response Division need a more reliable way to detect behavioral anomalies to counter against highly sophisticated cyber attacks by nation state threat actors targeting DOS networks.

Assist network defenders in securing DOS network by utilizing Okta log data and DOS user behavior baseline to detect bad actors within DOS network.










The Mission Model Canvas

Mission/Problem Description:
DS-19

Designed by:

Date:
3 OCT 2023

Version:
4.0

<p>Key Partners </p> <ul style="list-style-type: none"> - [Redacted] - DOS CIRT - [Redacted] - DOS SOC - Okta dev team 	<p>Key Activities </p> <ul style="list-style-type: none"> - Gather user behavior data from Okta and Splunk logs - Compare log data to behavior baseline to determine network compromise - Present relevant information to CIRT to inform decision to pull back credentials 	<p>Value Propositions </p> <ul style="list-style-type: none"> - Low false positive rate - Automated internal threat detection - Strengthen more vulnerable parts of network due to increased bandwidth - User behavior report - Inform incident response decisions - Increase DOS data and network security - Reduce/reallocate personnel assigned to cloud monitoring 	<p>Buy-in & Support </p> <ul style="list-style-type: none"> - Reduces manpower needed to review logs, can be allocated elsewhere - Reduces time between detecting actor and removing credentials - Consolidates information in time-sensitive situation - Reduce DOS secrets leaking 	<p>Beneficiaries </p> <ul style="list-style-type: none"> - SOC Analysts - CIRT Analysts - [Redacted] - DOS Cyber Monitoring and Operations
	<p>Key Resources </p> <ul style="list-style-type: none"> - \$x for algorithm creation - Okta/Splunk log data (expanding coverage) - Lots of DOS user data to develop user baseline - ML for user baseline 		<p>Deployment </p> <ul style="list-style-type: none"> - Alerts from algorithm to SOC notifying of anomalous user behavior within network - User behavior report for post-incident action - UI.... 	
<p>Mission Budget/Cost </p> <p>Currently unknown</p>		<p>Mission Achievement/Impact Factors </p> <ul style="list-style-type: none"> - Reduce time between network compromise and credential revocation by X - Present relevant information to CIRT to reduce work time lost due to false positives by X - Reduce # of DOS annual network breaches by x% 		

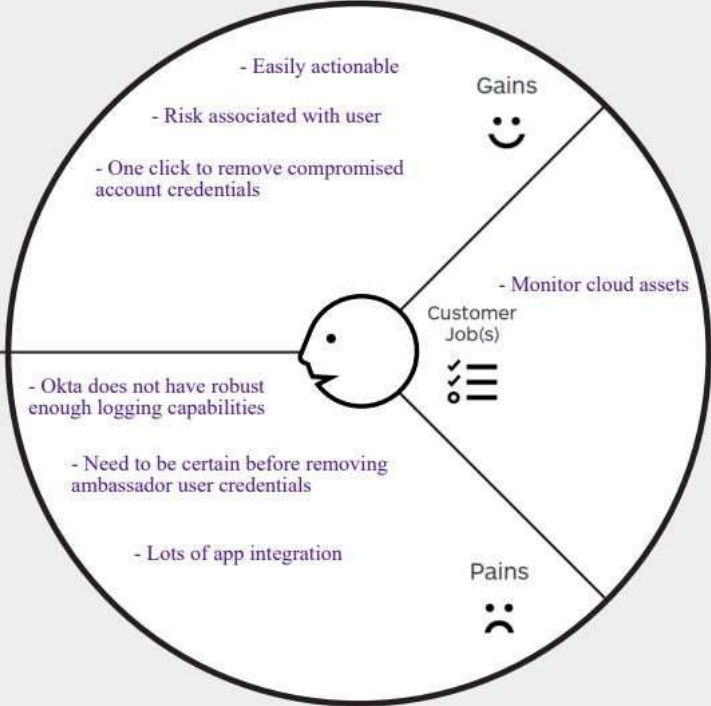
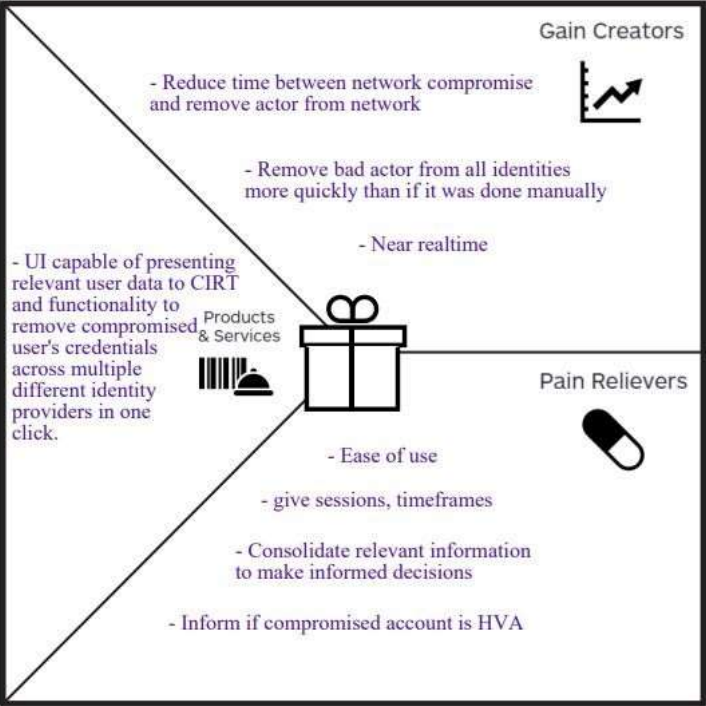
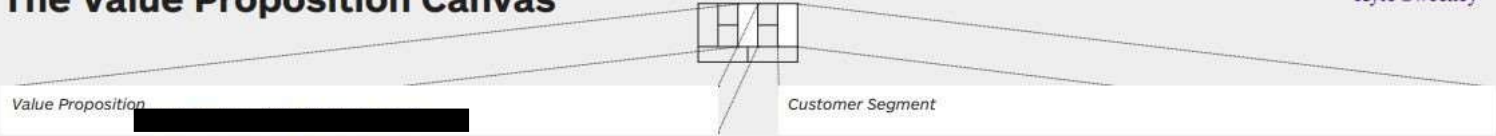


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DESIGNED BY: Strategyzer AG & Steve Blank
The makers of Business Model Generation and Strategyzer

The Value Proposition Canvas

Kyle Sweeney



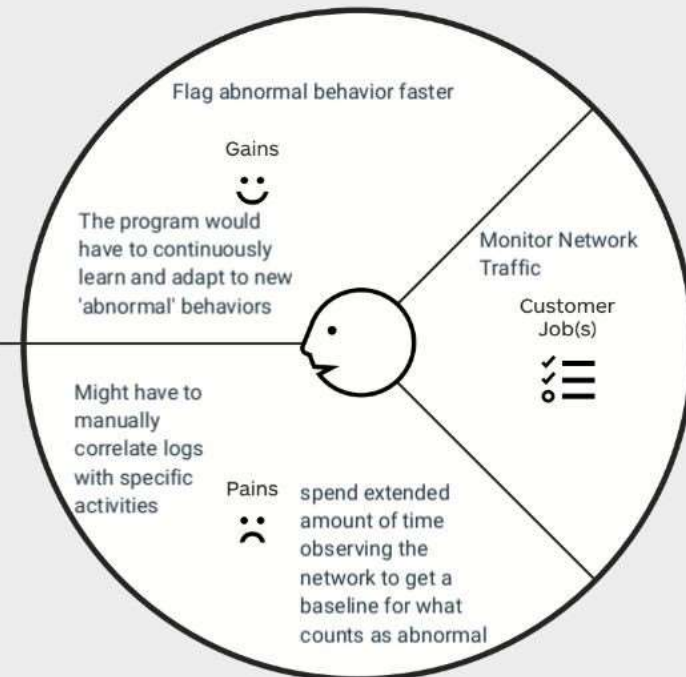
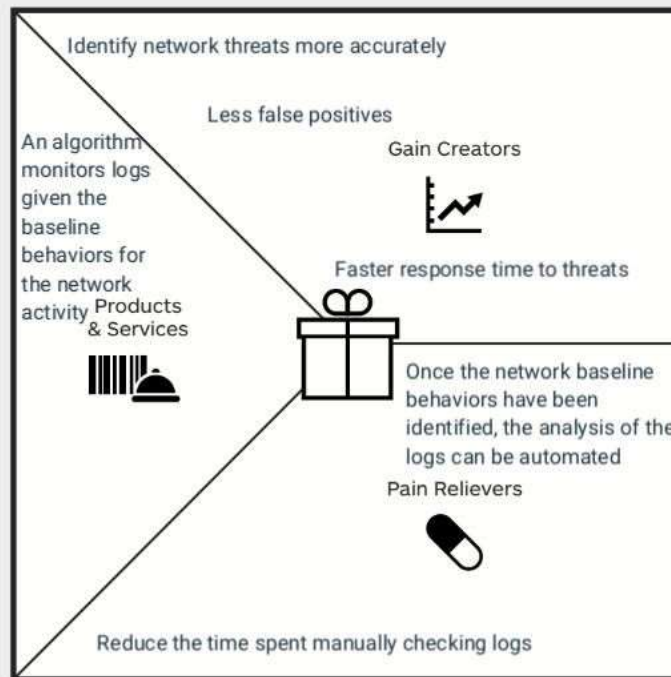
Sabran Evangelista

The Value Proposition Canvas

Interview with [REDACTED]
Principle Lecturer at RIT

Value Proposition

Customer Segment



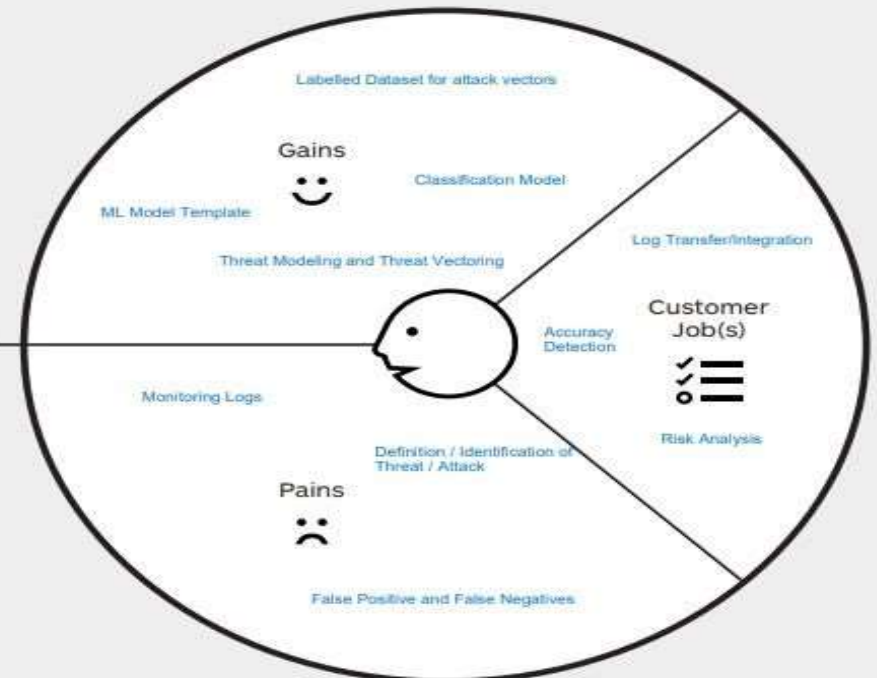
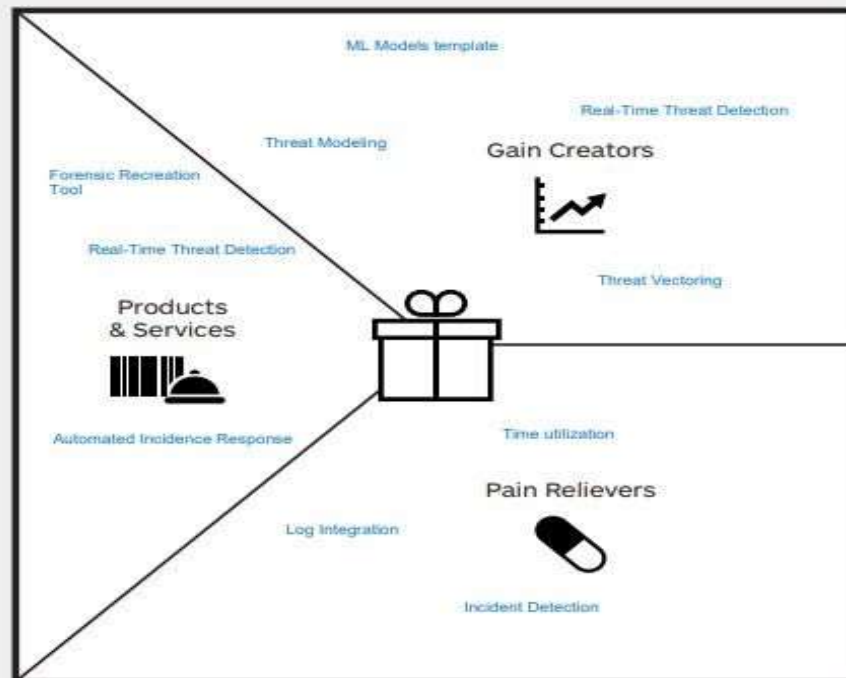


The Value Proposition Canvas

Vimal Seshadri Raguraman

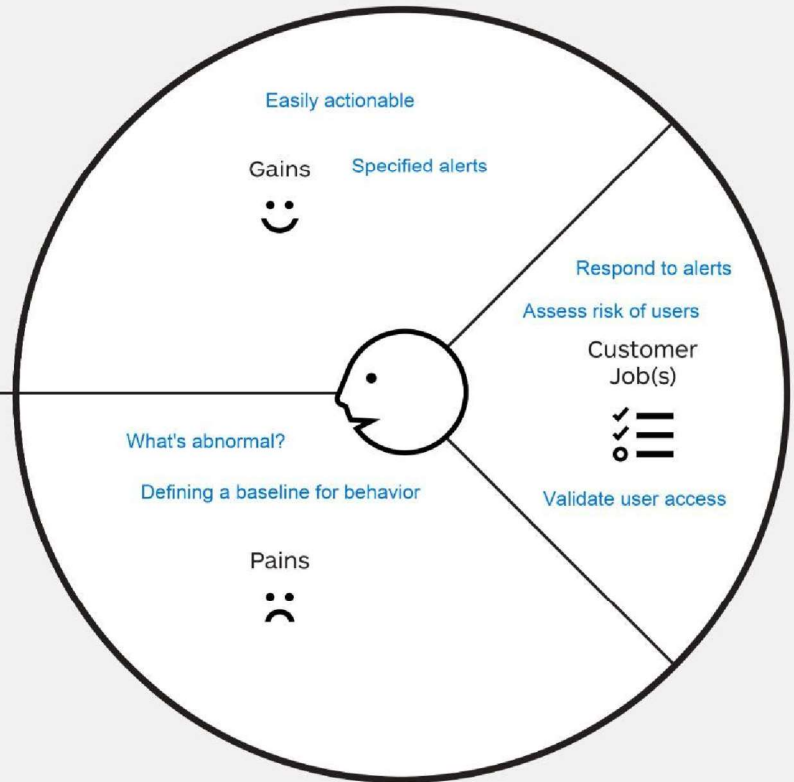
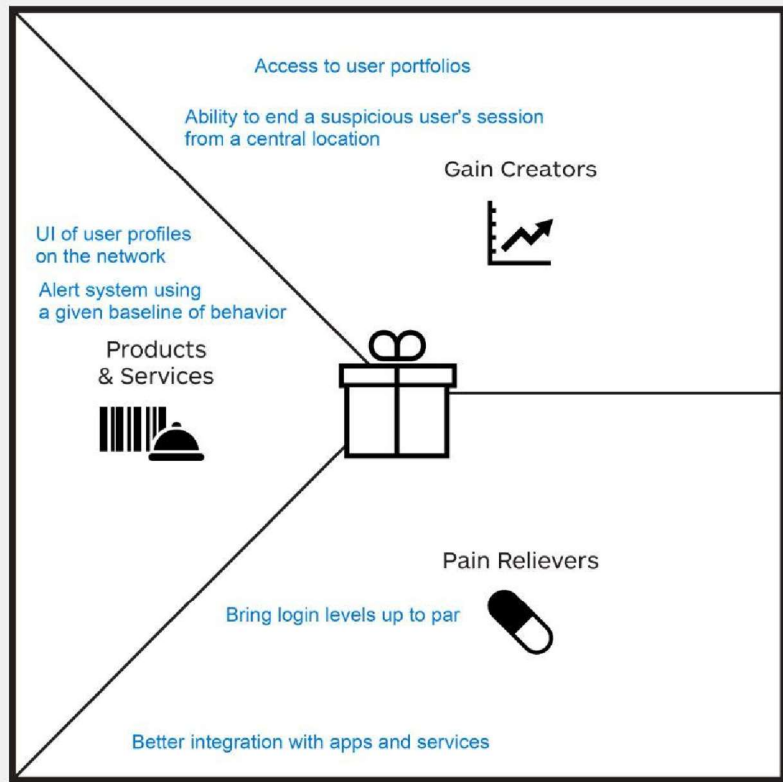
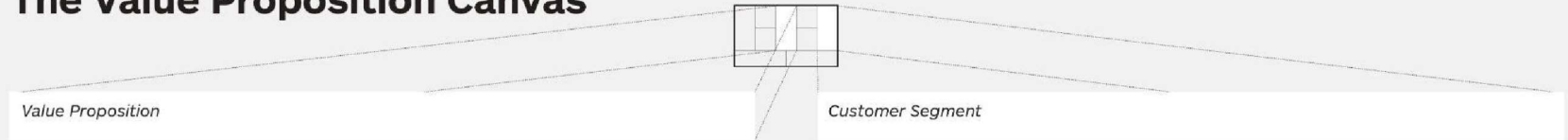
Value Proposition

Customer Segment

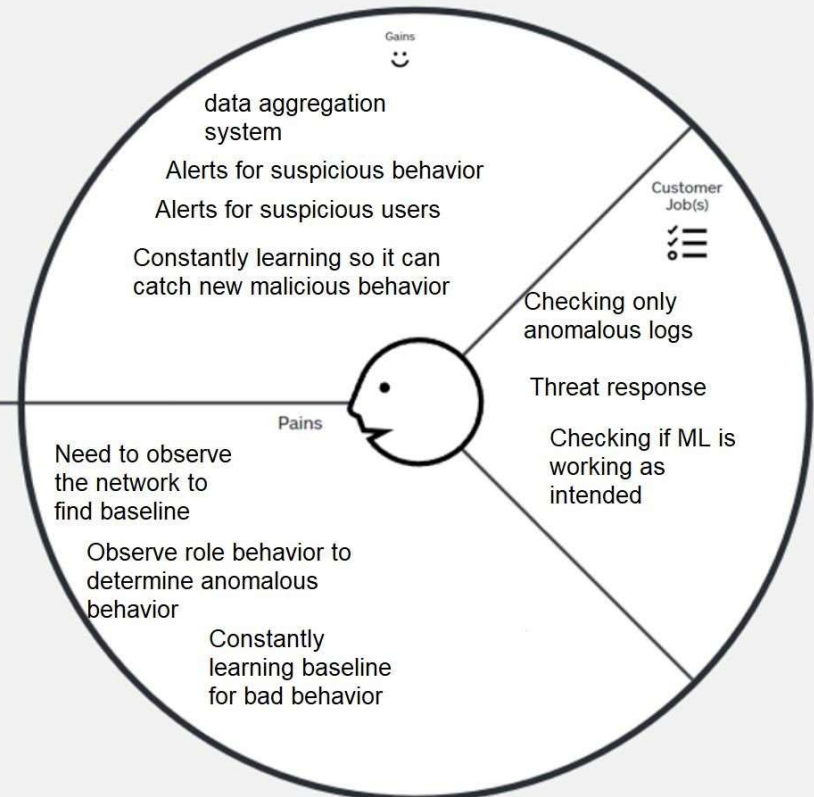
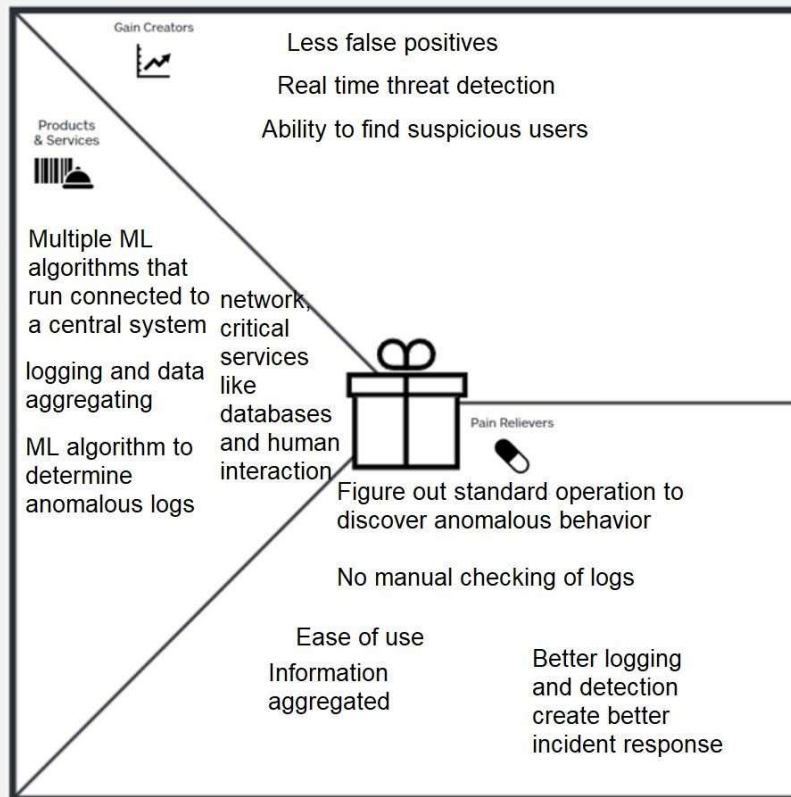
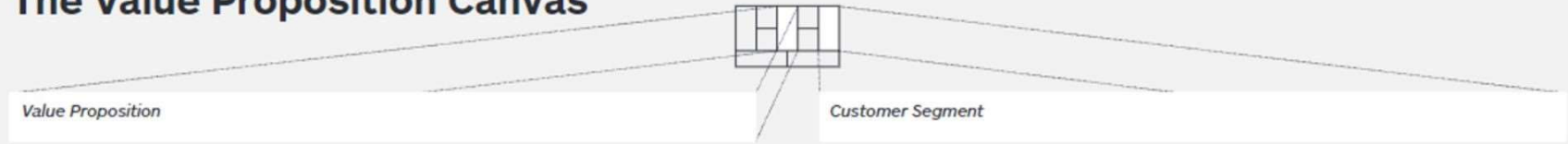


The Value Proposition Canvas

Jacob Robertson



The Value Proposition Canvas



Interview Slide

- [Redacted] - Lecturer in RIT CSEC Department
- [Redacted] - Lead CIRT Cloud Analyst
- [Redacted] - CIRT Cloud Lead
- [Redacted] - Security Engineer
- [Redacted] - Computer Science student
- [Redacted] - Amtrak Security Engineer
- [Redacted] - CSEC Student
- [Redacted] - CSEC Masters Student
- [Redacted] - CSEC Student
- [Redacted] - Lecturer in RIT CSEC Department
- [Redacted] - Red Team Intern at SRA
- [Redacted] - Lecturer at RIT; Cyber Security Consultant
- [Redacted] - Ops Engineer
- [Redacted] - Security Engineer