



# Life as a Student Security Analyst

Julia De Geest  
Gus Paddock

# Introductions

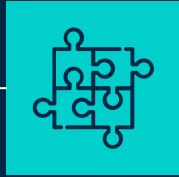


**Gus Paddock**  
Junior, SSA  
gpaddock@uoregon.edu



**Julia De Geest**  
Senior, SSA  
jdegeest@uoregon.edu

# SSA Rotations – Overview



01

## CSOC Analyst

Daily responsibilities, World Athletic Championships



02

## Compliance

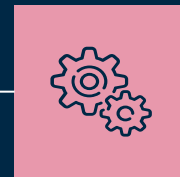
Endpoint Security, DMCA



03

## Incident Response

Malware and Compromised Systems



04

## DevOps

Software Development Projects, Automation

# CSOC Daily Responsibilities



# 2022 World Athletic Champions

- WA/IAAF London 2017 attack
- World Athletes & Media
- Schedule and Workflow  
Changes



# Security Compliance



# Incident Response

**Alert**  
Intrusion detection systems, assignment from a full-time staff



**Investigation**  
PCAP files, system information, online Malware scanners

**Validation**  
Discuss and assess the probability of true positive threat with peers



**Remediation**  
Communication with affected individuals and redirection to IT Help Desks

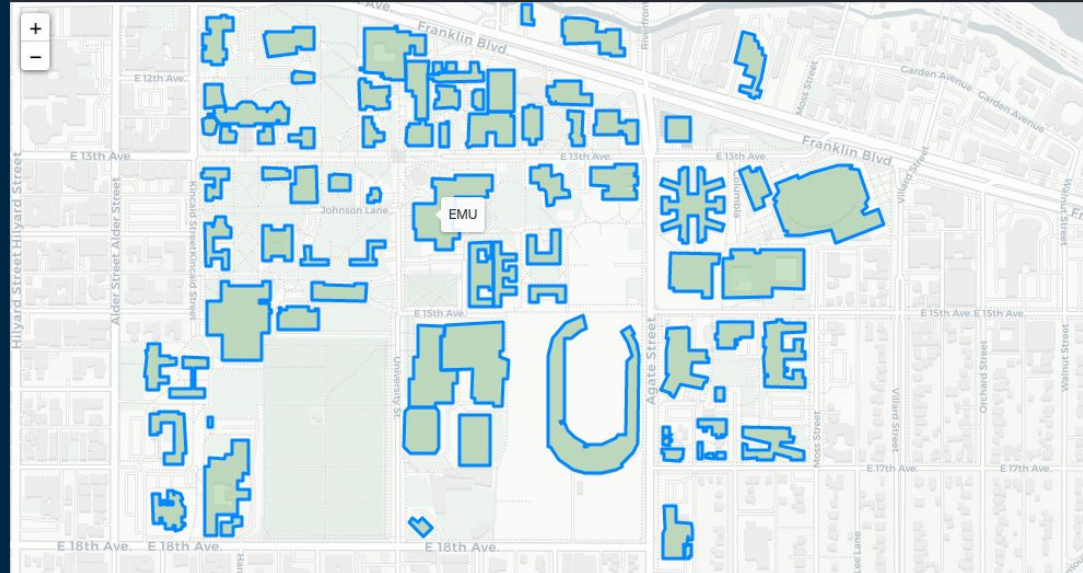
# DevOps

## Automation and Ease

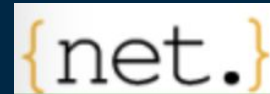
- APIs
- Fixing bugs

## Visualizing Campus Vulnerabilities

- Heat-like map of campus system health
- Combining data, run-time, accessibility



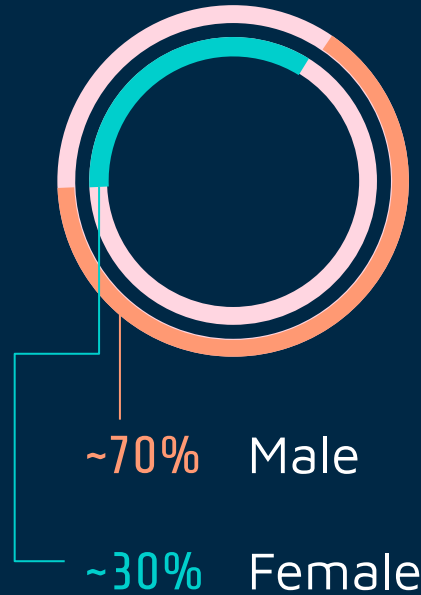
Folium





# Woman in Cybersecurity

2020 (ISC)2 Survey (Worldwide)



## My experience being the only female SSA

- Lucky to have awesome coworkers
- Familiarity
- Imposter syndrome / lack of role models

## Solutions?

- Overcoming initial intimidation
- Allowing for differing interests
- Outreach programs (WiCys)
- Diversity of problems -> diversity of viewpoints -> diversity of solutions

# Takeaways

- Diversity of technical skills
- Many layers to cybersecurity
- Increased self-confidence in problem solving
  - Teamwork is essential
- Establishing a work/school balance
  - There's always more to learn



The background features a dark blue field with scattered geometric elements. These include solid squares in teal, orange, and pink, as well as hollow squares in the same color palette. Thin, vertical white lines of varying lengths are also present, some extending from the top edge of the frame. The overall aesthetic is clean and modern.

Thank you!