

# BRADLEY CHIPPI

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## EDUCATION

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**Saginaw Valley State University** Saginaw, MI  
MS Computer Science and Information Systems *GPA: 3.9* May 2018 - May 2019

**Saginaw Valley State University** Saginaw, MI  
BS Computer Science *GPA: 3.6* Sep 2014 - May 2018

## WORK EXPERIENCE

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**The Dow Chemical Company** Midland, MI  
*Software / DevSecOps Engineer - Dow's Core R&D* November 2019 - Present

- Develop software solutions that support Dow's material businesses.
- Scan and re-mediate Dow's Core R&D code repositories with static application security testing tools.
- Lead / support Dow's cloud native initiative for modern software engineering.

**The Dow Chemical Company** Midland, MI  
*Cyber Security Operations Automation Specialist* June 2018 - November 2019

- Deploy a solution to track the progress of security incidents from analysis to recovery.
- Build a process where the Security Operations Center can dynamically create use cases.
- Lead the direction towards DevSecOps for modern software engineering at the company.
- Turn security operation procedures into self-service and fully autonomous jobs.
- Develop custom solutions for ServiceNow's Security Operations modules.
- Develop and deploy group based privileged identity management.

**The Dow Chemical Company** Midland, MI  
*Cyber Security Intern* May 2017 - May 2017

- Build threat prevention and network health dashboards with Pygal and Power BI.
- Create a web application that manages black/white listing for the company's corporate firewalls.
- Setup Juniper firewall development lab, configured policy groups and threat prevention policies.
- Setup logging, SSL Inspection, and connected to advanced threat prevention feeds.
- Automated tracking of potential cyber security threats on social media using bots.

**The Dow Chemical Company** Midland, MI  
*Systems Developer* September 2014 - May 2018

- Manage custom scripts for extensibility of Microsoft SharePoint sites using JavaScript.
- Create autonomous scripts to ease and eliminate workloads using PowerShell.
- Design data visualizations that showcased Dow manufacturing using company BI tool.

## SKILLS

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Programming Languages: Python, PowerShell, JavaScript, C#  
Libraries and Frameworks: Pandas, .NET Core, Flask, Express, React.js, jQuery, Node.js, Bootstrap  
Databases: MS SQL, MongoDB, Firebase, ServiceNow CMDB  
Operating Systems: Mac, Linux (Ubuntu / CentOS), Windows / Windows Server  
Applications / Platforms: MS Office, Power BI, VS Code, Checkmarx, SonarQube, Git, Docker  
Platforms: Azure, ServiceNow, Rundeck

## PROJECTS

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**Binary Feature Extraction and Static Malware Classification** *Python, Machine Learning*  
Performing binary data extraction and define features that will contribute towards classifying if a file is malicious or not.

**Founder & Lead Organizer of Cardinal Con 1 & 2**

Cardinal Con is a 12-hour hackathon at Saginaw Valley State University. There are several competitions to participate in: Data Science, Game Development, Cyber Security Capture the Flag, and so much more. Cardinal Con is sponsored by local corporations and small businesses to bring a fun and exciting experience to the area's local hackers!

**Founder and Lead Organizer of Cardinal Bitcoiners**

Cardinal Bitcoiners is a on-campus organization that discusses crypto-currencies and the latest blockchain technologies.

**Founder & Lead Exhibitor Coordinator of TEDxSVSU**

TEDxSVSU is an event that brings TEDx talks to SVSU. Public speakers from the local area come and share ideas related to technology, entertainment, and design.

AWARDS

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<b>Best Use of DevOps</b>	GrizzHacks 4 2019
<b>Best DevOps Hack and Best Use of Dynatrace</b>	GrizzHacks 3 - Ally Financial & Dynatrace 2018
<b>Voice of the Community</b>	SpartaHack 6 2018
<b>Second Place &amp; Best Hack Related to Finance</b>	GrizzHacks 2 - Quicken Loans 2017
<b>Best Use of Giphy API</b>	MHacks 10 - Giphy 2017
<b>Detroit Industrial Hack</b>	General Electric Digital Hub Detroit 2017
<b>Best Use of Microsoft Technology</b>	WildHacks - Microsoft 2015
<b>Best Use of Expedia's API</b>	MHacks 6 - Expedia 2015