

Dante Smith

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Education

University of Wisconsin-Madison

Madison, Wisconsin

Master of Science, Computer Science (GPA: 3.9/4.0)

June 2020 - December 2023

- **Relevant Courses:** Object Oriented Programming, Data Structures and Algorithms, Database Management Systems, Operating Systems, Computer Networks, Artificial Intelligence, Information Security, Big Data Systems, Building User Interfaces

University of Cincinnati

Cincinnati, Ohio

Bachelor of Science, Chemical Engineering (GPA: 3.5/4.0)

August 2012 - May 2017

- Minor in Mathematics

Work Experience

Charter Communications (Spectrum)

Madison, Wisconsin

Software Engineering Associate

June 2024 - Present

- Year-long rotational program where we spend 3 months with 4 different teams in the software development vertical.
- Cybersecurity rotation: Wrote Terraform modules and Ansible playbooks to automate provisioning and configuration of AWS EC2 instances for use in adversary simulation C2 campaigns.
- **Technical Skills:** Amazon Web Services (AWS), Ansible, Terraform

University of Wisconsin-Madison

Madison, Wisconsin

Data Engineer

January 2024 - June 2024

- Wrote SQL queries to extract health information out of Epic databases to fulfill data requests for investigators in the School of Medicine and Public Health. Performed code review on queries written by peers.
- **Technical Skills:** Microsoft SQL Server, Python, Azure DevOps

Charter Communications (Spectrum)

Denver, Colorado

Network Technology Operations - Analytics and Automation Intern

June 2023 - August 2023

- Wrote Ansible configuration scripts to automate Kubernetes cluster bootstrapping, including install of dependencies, network setup, connecting to container image repository, and setup of ArgoCD state management controller.
- Wrote code for custom Kubernetes controller to handle synchronizing cluster services with corporate DNS client, and assigning self-signed TLS certificates.
- **Technical Skills:** Kubernetes, Docker, Ansible, Python, Linux System Administration, ArgoCD, PostgreSQL

Epic Systems Corporation

Madison, Wisconsin

Technical Solutions Engineer - Analytics and Oncology Treatment Platforms

July 2017 - September 2022

- As co-team lead for oncology analytics workgroup, led projects to enhance reporting features, including KPI dashboards for clinic managers, and organizing webinars to gather feedback from users on new features.
- Guided customers in leveraging Epic's built-in reporting tools to create dashboards centralizing key metrics and visualizations.
- Wrote SQL queries to report on production error logs across entire customer base and potential upgrade issues.
- Helped onboard new employees as a customer service coach and teacher of Epic technical features.
- **Technical Skills:** Microsoft SQL Server, InterSystems Cache (NoSQL database)

Selected Projects

Comparison of Centralized and Decentralized Storage Services

Madison, Wisconsin

University of Wisconsin-Madison

September 2022 - December 2022

- Wrote code to compare network performance metrics of central storage services (Dropbox, Google Drive) with decentralized services (Storj, Internxt), including download time, network overhead, location of contacted servers.
- Analyzed Wireshark packet traces for how long the download/upload took, the amount of extra data sent with the test files.
- **Technical Skills:** Python, Wireshark, HTTP Requests/APIs

Analysis of Popular Song Traits Over Time

Madison, Wisconsin

University of Wisconsin-Madison

January 2023 - May 2023

- Wrote code to use Spotify Web APIs to capture song metadata and store in a database for further querying.
- Queried database after populating it to generate plots to visualize traits of songs over time and distributions of the traits.
- Used machine learning techniques to cluster songs based on statistically significant traits, and predict song popularity.
- **Technical Skills:** Python (Pandas), HTTP Requests/APIs, SQL, Clustering, Logistic Regression

Technical Skills

Languages Python, Java, C, C++, SQL (MS-SQL Server, PostgreSQL), HTML/CSS, JavaScript, React, React Native

Infrastructure Linux, Kubernetes, Docker, AWS, Microsoft Azure, Google Cloud Platform, Ansible, Azure DevOps, GitLab

Data Processing PyTorch, Apache Spark, Apache Cassandra, Apache Kafka, Google Big Query