

# Kordell M. Schrock

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## Education

- 2023 **Bachelors of Computer Science**, *Iowa State University (ISU)*,  
*Graduated: August, 2023*, Minor in Data Science.  
Cumulative GPA: 3.23, Major GPA: 3.4
- 2016–2018 **Associates Degree**, *Marshalltown Community College (MCC)*,  
*Graduated: May, 2018*.

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## Professional Experience

- 2023 **BMM Testlabs Las Vegas, Nevada**.  
Testing Engineer Intern, worked with a team to test and certify Class II and Class III slot machines. My responsibilities included testing the platform, meters, math models (RNG's, Par Sheets), and hardware (Bill Validator, Printer, Logic Box, etc). I gained valuable experience working in the Testing, Regulation, and Math Departments, and had the opportunity to work on slot machines in multiple jurisdictions, including Oklahoma, Nevada, Maryland, and Minnesota. I also had the chance to experience the IGT Advantage casino backend system and see firsthand how data flows from the server to the slot machine to the casino backend system (Class II gaming).
- 2022 **Workday Boulder, Colorado**.  
Software Development Engineer Intern, worked in the Data Science space exploring systems reliability. Over the internship, we completed three different Data Science Projects looking at Workday's Jira data. We created a python script to import Jira data that solved the question of linking similar tickets with similar problems. This was an important metric because Workday in that department had no way of linking tickets with similar problems, which is helpful because they can help resolve problems quickly and efficiently instead of manually checking tickets. The python script automated a process for Data Analysts to check tickets.
- 2021 **CodePath Summer Internship for Tech Excellence (SITE) Remote**.  
As a SITE intern, I deepened my knowledge of full-stack web development with React and Node JS. I received mentorship from Workday's technology teams along with CodePath's mentors as well. Throughout the summer we completed five full-stack applications including a capstone. Our capstone was to build a website for a pizzeria.

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- 2021 **National Security Agency (NSA) Fort Meade, Maryland.**  
As an Intern, I learned how the Agency functions and operates. While working in Research & Engineering, I finished the mandatory training and Metrics project. The Metrics project gave an insight on how the software teams currently are in tickets, whether they are Backlog, Work, On-Hold, etc. We automated the project to run automatically every month using a private Gitlab Runner to append and push the new data to a dashboard that updates synchronously using Kibana, CI/CD, JQL, and Python. The dashboard consisted of eight graphs that updated when new data arrives in the index dataset. This was helpful for the department to see the metrics on their software development overtime, per team. At the end of my internship, I was able to create a prototype of an Orbital VSAT Metrics program from scratch for system health monitoring.
- 2020 **Leidos Scientific Research Company Summer Research Intern Remote.**  
As an Intern, I worked on a Blockchain application that helps track the spread of Covid-19 to improve American healthcare, reduce healthcare care cost, detect Fraud, Waste and Abuse in Medicare Claims, improve clinical outcome and promote interoperability for researchers among related systems while protecting patient data sovereignty.
- 2019 **Stanford University College of Engineering Stanford, California.**  
As part of the 17th Cohort of the Summer Undergraduate Research Fellowship (SURF), we conducted professional research at Stanford, specifically my research was within the Human-Computer Interaction Department. I enhanced the protocol of the Creative Drive Project, and we were able to run a pilot study. In addition, with this fellowship, our Cohort did a GRE Prep Course, Mentorship, Company visits within Silicon Valley, and Professional Development Workshops.
- 2018 **Big River Trading Co. Sac & Fox Tribe Of The Mississippi In Iowa.**  
As an Intern, I learned how they conducted business and how they kept business relations. I got the chance to implement my ideas into the Company, and I optimized their Purchase Ordering Form. I made it way more efficient than the previous way. Now it just takes a couple of clicks.
- 2017–2018 **Meskwaki Bingo Casino & Hotel Food & Beverage Department.**  
As a server of the Prime Cut Steak House, I provided optimal customer service, and I was responsible for the adherence and compliance of policies and procedures.
- 2016 **Meskwaki Inc. Sac & Fox Tribe Of The Mississippi In Iowa.**  
As an Intern for Meskwaki Inc. I was given the opportunity to learn about their multiple different subsidiaries. I was able to explore the workings of Woodlands Construction, Meskwaki Travel Plaza, Big River Trading Co., and their Inventory Warehouse.

## Honors

- 2018 Marshalltown Community College Dean's List
- 2019-2021 ISU College of Engineering Dean's List
- 2019 Stanford University SURF 17th Cohort Recipient
- 2019 AISES Intel Undergraduate Growing the Legacy Scholarship Program - \$5000
- 2019 Cobell Undergraduate Scholar - \$5000
- 2019 SAP Engineering Scholars
- 2019 Deere & Co Minority Engineering Scholarship - \$1076
- 2019 ISU Engineering Program of Study Award - \$2600

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2019 Meskwaki Higher Education Award - \$9000  
 2020 SACNAS Travel Award  
 2020 Dartmouth College ASURE Recipient  
 2020 Cobell Undergraduate Scholar - \$6000  
 2020 Meskwaki Higher Education Award - \$9000  
 2020 Los Alamos National Laboratory Honorary Award - \$1000  
 2021 AISES Intel Undergraduate Growing the Legacy Scholarship Program - \$5000  
 2021 Meskwaki Higher Education Award - \$9000  
 2021 Arthur A. Collins Education Fund in Computer Science Award - \$1000  
 2021 Cobell Undergraduate Scholar - \$6000  
 2021 ISU College of LAS Program of Study Award - \$1700  
 2022 Cobell Undergraduate Scholar - \$8000  
 2022 Meskwaki Higher Education Award - \$9000

## Relevant Course Work

COM S 363 Introduction to Database Management System  
 COM S 309 Software Development Programming  
 DS 202 Data Acquisition & Analysis  
 DS 201 Introduction to Data Science  
 COM S 228 Introduction to Data-Structures  
 COM S 227 Introduction to Object-Oriented Programming

## Leadership Development

2018 Building Native American Communities Financial Literacy, First Nations  
 2018-Present STEM Scholars Program (ISU)  
 2020 Dartmouth Guarini Graduate School Virtual ASURE Summer Workshop Series  
 2020 Yale Graduate School of Arts and Sciences Bouchet Bootcamp Series  
 2020 Los Alamos National Laboratory Simulating Wildfires Bootcamp

## Affiliations

2018-Present Society of Systematic Scientists, Society for Advancement of Chicanos and Native Americans in Science (SACNAS)  
 2018-Present American Indian Science and Engineering Society (AISES)  
 Tribal Affiliation Meskwaki Nation (Sac and Fox Tribe of the Mississippi in Iowa)

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## Outreach Activities

- 2018 **Panelist**, Participated in a panel to help Native American Students in High School to become more aware of opportunities that College has to offer and help them prepare for College.
- 2018-2019 **Advisory Board**, Participated on a Board of Advisors for Oweesta Organization that helps build Native American Communities Economic Sovereignty.
- 2020-2023 **Treasurer**, Participating as an officer for Iowa State's SACNAS Chapter.
- 2021 **Panelist**, Participated in a panel for SACNAS's Indigenous CommUNITY and Wellness in STEM Virtual Gathering about student experiences in STEM.

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## Computational Skills

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|-----------------|--------------|
| ○ Python        | ○ Java       |
| ○ C             | ○ SQL        |
| ○ R             | ○ Linux      |
| ○ React/Node JS | ○ Javascript |

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## Presentations

- 2019 Stanford University Huang Foyer (Poster Symposium) - Stanford, CA
- 2019 AISES National Conference (Poster Symposium) - Milwaukee, WI
- 2020 Dartmouth ASURE (Research Talk) - Webinar
- 2020 SACNAS National Conference (Poster Symposium) - Webinar
- 2020 ISU SACNAS Scholarship Workshop - Webinar
- 2020 Los Alamos National Laboratory Simulating Wildfires - Webinar
- 2021 ISU SACNAS Applying to REU's Workshop - Webinar

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## Clearance and Certifications

- 2021 Current Clearance Top Secret//SI
- 2020 Polygraph
- 2020 Agency Special Background Investigation (SBI)

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