Kordell M. Schrock

Education

2024-Current **Gaming Innovation**, *University of Nevada, Las Vegas (UNLV)*,
Slot Machine Design.

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.

Professional Experience

2023 **Meskwaki Tribal Operations** *Tama, Iowa.*
IT Specialist overseeing the conception and implementation of a resilient network security framework, encompassing firewalls, routers, and secure access controls. Responsible for the supervision and management of more than 350 devices. Additionally, I uphold the operation of eight distinct switches within the Tribal Network. Engaged in collaborative efforts with cross-functional teams to strategize and execute system upgrades. On a daily basis, adept at troubleshooting and resolving a spectrum of issues across software, computers, and networks within our systems.

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.

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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.
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
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)

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.

2024   **Panelist**, Participated in a panel for the Indian Gaming Association in Anaheim, California. Innovation Through Tradition: INDIGENIZING Gaming Technology.

Computational Skills

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

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

Clearance and Certifications

2021   Current Clearance Top Secret//SI

2020   Polygraph

2020   Agency Special Background Investigation (SBI)