Kordell M. Schrock

Education

2018– Present **Bachelors of Software Engineering**, *Iowa State University (ISU)*, Ames, *Expected Graduation: May, 2022,* Minor in Data Science.
Cumulative GPA: 3.48, Major GPA:3.55

2016–2018 **Associates Degree**, *Marshalltown Community College (MCC)*, Marshalltown, *Graduated: 2018.*
Earned College Credits (57)

2016 **Earned Credits**, *Morningside College*, Sioux City, *Freshman.*
Earned College Credits (12)

Professional Experience

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.*
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** *Summer Undergraduate Research Fellowship (SURF).*
As part of the 17th Cohort, 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
2019-2020	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	Cobell Undergraduate Scholar - $6000
2020	Meskwaki Higher Education Award - $9000
2020	SACNAS Travel Award
2020	Dartmouth College ASURE Recipient
2020	Los Alamos National Laboratory Honorary Award - $1000

Relevant Course Work

COM S 363	Introduction to Database Management System
COM S 319	Construction User Interface
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
NET 270	Mobile Application Development

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-Present	**Treasurer**, Participating as an officer for Iowa State's SACNAS Chapter.

Computational Skills

- Python
- C
- R
- Java
- SQL
- Linux

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

Clearance and Certifications

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

Kordell M. Schrock
603 E Grace Street, Toledo, Iowa – 52342
+1 (507) 993 0709 • *kschrock@iastate.edu*
kordellschrock.io • *kschrock* • *Kordell Schrock*