

## SUMMARY

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- Internationally published UIUC James Scholar seeking opportunities in ML/AI to jumpstart college career.
- Diverse experience with Python, C#, Java, R, SQL, research, entrepreneurship, and more.
- Presented research overseas on complex networks, finance, neurobiology, and particle physics (4 publications).

## EXPERIENCE

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**Data Science Intern (Incoming)** — *Motorola Solutions* Jan. 2021 - May. 2021

- Will be using Python and various data science tools to lead cybersecurity projects.

**Artificial Intelligence Research Intern** — *Illinois Risk Lab* Aug. 2020 - Dec. 2020

- Constructing predictive models from scratch for AI-Powered Lifecycle Financial Planning project.
- Facilitating full-fledged data science pipeline: dataset selection to ensemble modeling for eventual deployment.
- Accessed remote computing clusters to run batch jobs in training and validating models.

**Machine Learning Intern** — *Alphathena* Jun. 2020 - Aug. 2020

- Preprocessed and trained on diversified financial datasets with over 3 billion data points for a fintech startup.
- Utilized Python pandas and misc. financial packages on remote VM hosted on Google Cloud infrastructure.
- Fashioned a user-friendly interactive data explorer with Streamlit and statistical plots.

**Social Network Analyst** — *SONIC Research Group, Northwestern University* Jun. 2019 - Jan. 2020

- Served as lead researcher for an analysis of virtual team self-assembly network dynamics using R and SQL.
- Authored "Network Predictors for Self-Assembled Team Formation" (>1800 downloads) and second citation.
- Awarded \$1K scholarship to present research at conferences in Lisbon, Portugal, and Urbana-Champaign, IL.

**Particle Physics Data Scientist** — *Fermilab* Aug. 2018 - May 2020

- Optimized statistical bin parameters for the Z Prime framework using data from CERN's LHC.
- Refreshed antiquated data structures to modern standards that are still in use, doubling efficiency.
- Authored two publications and presented work to physics research groups at two conferences.

## EDUCATION

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**B.S. in Computer Science and Statistics** — *University of Illinois at Urbana-Champaign* 2020 - 2023

- GPA: 4.0; James Scholar Honors Student; junior standing; credits completed: 64/120.
- Notable courses: Software Design Studio, Discrete Structures, Data Science Exploration, Linear Algebra.
- Graduate of the Stanford AI 4 ALL program for AI skill development hosted by UIUC.

**High School Diploma** — *Illinois Mathematics and Science Academy* 2017 - 2020

- Notable courses: Machine learning, Linux and Cybersecurity, Engineering, Computational Science.
- Received seed funding from entrepreneurship pitching competitions for crowd-sourced fact-checking startup.
- Headed youth artists music club, led ukulele lesson workshops, and participated in district symphony for 6 years.
- Logged >200 hours of community service as a board member of the Student Committee for Advancement.

## PROJECTS

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Deployed a Spotify playlist audio feature visualizer using Java and API wrappers 2020

Constructed facial recognition device using TensorFlow and Google AIY for use by school faculty 2019

Developed genetic and evolutionary algorithms for agent-based biological modeling in C# 2018