

Jacklyn R. McAninch

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SUMMARY

Computer science and data science major with 6 years coding experience, skills concentrated in low-level programming and efficient algorithm design. Seeking full-time entry-level opportunities for January 2024.

EDUCATION

Illinois Institute of Technology - GPA 3.80

- *Bachelor of Science in Computer Science* by December 2023.
- *Master of Science in Data Science* by December 2023.

Relevant Coursework: Data-Intensive Computing, Data Privacy and Security, Data Preparation and Analysis, Machine Learning, Monte Carlo Methods in Finance, Operating Systems, Systems Programming.

SKILLS

C • C++ • Python • R • Golang • Java • SQL • HTML • Linux • Git • Perforce • Spreadsheet
Familiarity with: Arduino • ROBOTC for VEX Robotics • Autodesk CAD • CloudCompare

WORK EXPERIENCE

IBM - Durham, NC

- **Back End Development Intern** (*May 2023 - Aug 2023*)
Designed internal Python tools for IBM C++ developers, diagnosed test failure causes on the pipeline, and restructured cryptography-related test suites to improve scalability.

The Boring Company - Las Vegas, NV

- **Software Engineering Intern** (*Jan 2022 - Aug 2022*)
Lead remote development of high-level APIs for external open-source cryptocurrency project, and built multiple custom services for device health diagnostics on the Las Vegas Loop.

Illinois Institute of Technology - Chicago, IL

- **Undergraduate Researcher - Battery Operated Radiator Control** (*Aug 2022 - Present*)
Building firmware for automatic steam radiator control system and steam trap fault detection.
- **Undergraduate Researcher - Blockchain Cryptocurrency Networks** (*Aug 2021 - May 2022*)
Constructed a fast and low-power solution to cryptocurrency using Proof-of-Space consensus.
- **Undergraduate Teaching Assistant - Data Structures and Algorithms** (*Aug 2021 - May 2023*)
Prepared demos, explained concepts, and graded student work for a core computing course.

FEATURED PROJECTS

- **Calamos Investments: Analyzing Financial Data to Maximize Company Profits** (*2023*)
Partnered with Chicago trading firm for master's capstone project to find patterns in firm's profitable clients, through analysis of client attributes and asset preferences over time.
- **Libdogecoin: C Library for Simplified Core Dogecoin Functionality** (*2022*)
Assisted design of a v0.1 static C library to generate cryptographic key pairs and send valid transactions to the Dogecoin mainnet. Designed wrappers for library in Python and Golang.
- **GigiCoin: Sustainable, High-Throughput Proof-of-Space Cryptocurrency** (*2021*)
Built a cryptocurrency which values network-dedicated disk storage rather than proof of hashing power. Received first place in the 2021 Grainger Computing Innovation Prize.

LEADERSHIP

- **Association for Computing Machinery - Women's Chapter** (*2019-Present*)
President of student club; previously marketing director, treasurer, and VP. Responsible for directing the board, facilitating events, communicating with staff, and training new members.
- **Illinois Institute of Technology Camras Scholars Program** (*2019-Present*)
Selected as a member of a reputable club for scholars exhibiting high quality in character, leadership, and work ethic. Received full tuition scholarship from said organization.