Jacklyn R. McAninch

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SUMMARY

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

EDUCATION

Illinois Institute of Technology - GPA 3.82
- *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, Operating Systems, Software Development, Systems Programming.

SKILLS

C・C++・Python・R・Golang・Java・SQL・HTML・Linux・Git・CloudCompare・Spreadsheet
Familiarity with: Arduino・ROBOTC for VEX Robotics・Autodesk・React.js・Node.js

WORK EXPERIENCE

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 - Steam Trap Microphone Shield** *(Aug 2022 - Present)*
  Currently building firmware for steam trap fault-detection device using ultrasonic data readings.
- **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 - Present)*
  Prepare demos, grade classwork, and answer student questions for a core computing course.

PROJECTS

- **Libdogecoin: a Clean 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 this library in Python and Golang.
- **GigiCoin: Sustainable, High-Throughput Proof-of-Space Cryptocurrency** *(2021)*
  Built a cryptocurrency valuing network-dedicated disk storage rather than demonstration of hashing power. Received first place in the 2021 Granger Computing Innovation Prize.
- **Campus Digital Twin: Maintaining High Accuracy Point Clouds** *(2021)*
  Collected LiDAR data and merged 50+ scans to create a 3D master point cloud of a campus building. Worked interprofessionally with architectural, civil, and mechanical engineers.

LEADERSHIP

- **Association for Computing Machinery - Women's Chapter** *(2019-Present)*
  President of student club. Previously held positions include Marketing Director, Treasurer, and Vice President. Current responsibilities include delegating tasks to executive board, facilitating events and projects, maintaining lines of communication, 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.
- **Illinois Institute of Technology Women's Varsity Soccer** *(2019-2021)*

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Started for an NCAA Division III competitive soccer team, placing second in NACC conference.