

# Blake Branvold

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## Education

University of Nebraska-Lincoln, Raikes School of Computer Science and Management

- Highly competitive honors program accepting approximately 35 students per year

BS in Computer Science, minor in Business and Mathematics

Graduation expected in May 2024

**Relevant Coursework:** Innovation Processes, Calculus III, Communications, Statistics, Finance, Discrete Mathematics, Linear Algebra, Unix Programming, Algorithms, Software Engineering IV, Business Writing, Computer Systems Engineering, Design Studio, Programming Language Concepts, Data & Models III (Machine Learning), Automata, Operating Systems Kernels, User Interface Design, Business Strategies

**Awards/Statistics:** National Merit Scholarship Award recipient, Dean's List, GPA of 3.9

## Technical Skills

**Exposure to:** C, C++, SQL, HTML/CSS, JavaScript, ReactJS, NodeJS, Unix, Testing

**Experience with:** Java, Spring Boot, Python, Spark, R, Databricks, Swift, GitHub, Azure, GPT-4, Agile, JSON, API development, Machine Learning, Requirement Elicitation

## Employment

### **Software Engineering Intern**

Google for Startups: Edison AI (May 2023-Jul 2023)

- Designed and developed systems that interact with Large Language Models and their APIs
- Researched and implemented Natural Language Processing systems for Japanese and English
- Led team making the back end and algorithm for a Machine Learning project in Python and JS
- Built strong intercultural communication skills with a multinational team headquartered in Tokyo

### **Design Studio Software Developer**

Fiserv (Sep 2022-May 2023)

- Developed a secure platform for financial institution data consent management with Azure
- Created secure API interactions between Fiserv, banks, and clients using Spring Boot
- Connected an immutable ledger database for storage on the blockchain for millions of records
- Designed intuitive wireframes, schemas, and flow diagrams for future business use

### **Software/Data Engineering Intern**

Kiewit Corporation (Jun 2022-Aug 2022)

- Gained experience with Enterprise Data Warehouse (EDW) and Operational Data Store (ODS)
- Designed and created data integration Spark notebooks for EDW/ODS systems in Databricks
- Created system to monitor Azure cloud computing usages and mathematically estimate costs, generating an estimated savings of \$50k+ per year
- Wrote, tested, and analyzed multithreading system to increase bulk file conversion efficiency

## Leadership

**International Internship Network**—Founder of ongoing software project connecting students with international employers for internships, estimated potential savings of \$6000 per user per year

**Roundnet Club**—Founder and Vice President of UNL's Roundnet Sport Club

**Delta Sigma Phi**—Founding Member of UNL's Delta Sigma Phi fraternity organization