

Peter Zinkovsky

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Github: <https://github.com/peterz3>

Education

University Of Illinois Urbana-Champaign, IL

Bachelors of Science in Computer Science and Statistics - 3.8 GPA, Dean's list

Graduating December 2022

- **Selected Coursework:** Distributed Systems(awarded several model solutions),Computer Networks, Databases, Deep Learning, AI, Systems Programming, Algorithms, Data Structures, Computer Architecture, Software Design Studio
- **Student Organizations:** Contrary Student Fellow, Intramural Soccer, ACM, Illinois Business Consulting

Skills

- **Languages:** Python, C++, C, Go, Rust, Java, JavaScript, SQL, MongoDB, Neo4j, Node JS, HTML, CSS
- **Technologies:** AWS, Docker, Kubernetes, Express, Angular, Jenkins, Node, Git

Experience

Facebook

Incoming Software Engineering Intern

May 2022 - August 2022

Rockset

Incoming Software Engineering Intern

January 2022 - May 2022

Anduril

Software Engineering Intern - Simulation Infrastructure

May 2021 – August 2021

- Created library for lightweight simulation and scripting of assets and messages within mesh communication network
- Integrated library across various drone and tower teams to better support custom testing and development workflows
- Worked with UI team to improve end-to-end validation using my library for pattern/behavior simulation
- Took on additional tasks with the deployment team to improve building and management of apps within Kubernetes

Facebook

Software Engineering Winter Intern - Infrastructure

Jan 2021 – April 2021

- Integrated feature into Facebook's service management system(Smartplatform) to automatically vertically resize services to better fitting container sizes
- Improved platform memory efficiency by driving down unused memory overhead of large services
- Reduced service downtime and developer inefficiency by rolling out feature to service's across Smartplatform

Capital One

Software Engineering Intern - Commercial Banking Division

May 2020 – July 2020

- Developed app to enable product owners to visualize, add, and toggle their features in the Commercial Card Platform
- Worked across three-tier architecture to develop front-end, middleware and database layers as well as automated deployment pipeline, using Angular, AWS lambda and Jenkins
- Reduced latency time for feature toggling by 10x, integrated across several teams at Capital One

Systems and Platform Research Group

Research Assistant

April 2019 – Sep 2019

- Conducted research on a machine learning based memory management system for SSD's, reducing write latency by 30% in backtests
- Benchmarked edge-computing devices with machine learning tasks such as object detection and image classification, applied methods to optimize and compress neural networks

Illinois Business Consulting - Student Organization

Senior Consultant

Jan 2020 – Jan 2021

- Analyzing and developing strategy for response to COVID-19 with United Way and partner nonprofit organizations
- Researching improvements to be made in technical infrastructure for service delivery
- Received promotion to supervise team of 6 new consultant members