

Alex (In Su) Chang

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PROFESSIONAL EXPERIENCE

Software Engineer Intern - Basketball Operations

Jan 2026 – Present

Oklahoma City Thunder

Oklahoma City, Oklahoma (Remote)

- Built and debugged full-stack features for internal analytics applications, enabling interactive data exploration and analysis for basketball operations
- Refactored backend analytics logic for a core application, improving maintainability of calculation, ranking, and data processing workflows
- Contributed to migration of data-processing logic from Pandas to Polars, preserving correctness during performance oriented refactoring
- Extended shared data and table abstractions to support more flexible analytics views and reduce page-level complexity
- Diagnosed and resolved cross-layer issues across frontend state, request flow, and backend responses, improving reliability of user-facing analytics tools
- Collaborated with engineers and analytics stakeholders in development of data-driven tools for basketball operations

Tech: Python, TypeScript, Angular, Django, PostgreSQL, NgRx, Polars

Technology Investment Banking Analyst

June 2021 – June 2023

Citigroup

San Francisco, California

- Advised technology companies in M&A, equity raises and leveraged finance deals totaling \$2B+ in transaction value
- Built complex financial models and performed quantitative analysis using Excel, VBA, and financial software
- Conducted comprehensive industry research and synthesized large datasets to support strategic decision-making
- Collaborated with cross-functional teams to deliver time-sensitive deliverables under pressure

PERSONAL PROJECTS

Custom Memory Allocator ([GitHub](#))

C, Systems Programming

- Implemented a dynamic memory allocator with segregated free list and explicit free list strategies
- Optimized for efficient allocation, deallocation, coalescing
- Extensively tested allocator performance and correctness under varied workloads

Tiny Unix Shell ([GitHub](#))

C, Unix Programming

- Built a Unix-style shell supporting job control, I/O redirection, and custom built-in commands
- Designed process management with `fork()`, `exec()`, and signal handling for foreground and background jobs

EDUCATION

University of Colorado Boulder - College of Engineering & Applied Science

B.S. in Applied Computer Science (Post-Baccalaureate) - *Summa Cum Laude* | GPA: 3.9/4.0

University of Colorado Boulder, Leeds School of Business

Bachelor of Science in Business Administration – Finance, *With Honors, With Distinction* | GPA: 3.9 / 4.0

Honors and Awards: Leeds Honors Program, Dean's List (all semesters), Beta Gamma Sigma

TECHNICAL SKILLS & INTERESTS

Languages: Python, JavaScript/Typescript, HTML, CSS, SQL, C, C++

Tools / Frameworks: Angular, Django, Git, Linux, Bash

Personal Interests: Basketball, Strength Training, Fishing, Guitar, Travel