VISH ANAND

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EDUCATION:

The Ohio State University, Columbus, OH *May 2021*
B.S. Computer Science and Engineering
Software Engineering Specialization; History Minor
Overall GPA: 3.96/4.00; ACT: 35; Honors Student & Maximus Scholarship; Summa Cum Laude

WORK EXPERIENCE:

Google, Cambridge, MA *August 2022 – December 2025*
Software Engineer

- Contributed to the development and release of Google Cloud Backup and Disaster Recovery, delivering enterprise-grade data retention and lifecycle management on GCP
- Developed and maintained control plane services in Go, implementing core data management functionality and improving code quality
- Designed and implemented prober services and integration testing to monitor system health and validate SLOs for release readiness
- Remediated SQL injection and input validation vulnerabilities in a legacy C++ codebase
- Served as Cambridge chapter lead for Playgrounds, organized professional and community events

Akuna Capital, Chicago, IL *June 2021 – July 2022*
Software Engineer

- Maintained and developed new functionality for a suite of performant C# trading applications
- Collaborated with traders and quants to gather requirements and improve functionality
- Migrated legacy backend code to a microservice-based architecture to improve performance
- Piloted network diagnostics for our floor trading tablet solution to minimize market downtime
- Helped traders simplify their Excel workbooks by adding functionality to the in-house plugins

Capital One, New York, NY (Remote) *Summer 2020*
Software Engineering Intern

- Contributed to an internal iOS SDK which provides app security via device anti-tamper checks
- Led research into secure library packaging using XCFrameworks, Fastlane, and Cocoapods. Tested shipping compiled instead of source packages. Presented findings to iOS tech leads

JPMorgan Chase & Co, Columbus, OH *Summer 2019*
Software Engineering Intern

- Integrated File Transfer analytics onto the IBM Watson Studio AI platform in an Agile team
- Developed a Python microservice to automate the ETL process on internal cloud infrastructure
- Led the team that placed 1st overall while also winning Top Presentation and Top Design in the 2019 Summer Intern Robot Race

PROJECTS:

Capstone Project, (vishanand.com/jrscalc) *Spring 2021*

- Led a team of five students and collaborated with project sponsors to design, develop, test, and publish an iOS/Android Pressure Vessel calculation app using React Native

Z80 CPU Emulator, (vishanand.com/z80) *Summer 2020*

- Built a Zilog Z80 CPU emulator in C++ with memory mapping, interrupts, and video hardware
- Simulated the Fetch-Decode-Execute cycle for 677 different instruction opcodes

SKILLS:

Languages: Python, Go, C#, Java, C/C++, JavaScript