

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 - Present

Software Engineer

- Contributed to the Backup and Disaster Recovery functionality within Google Cloud
- Maintained the legacy C++ codebase and patched multiple SQL injection vectors
- Developed a scalable and secure backup retention solution for enterprise customers
- Integrated new data management features into the GCP platform via Golang service development

Akuna Capital, Chicago, IL

June 2021 – July 2022

Junior Developer C#

- 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/jrscal)

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

Quiet Hours, (vishanand.com/quiet)

Spring 2019

- Won 1st for the Best Use of Voice Technology at the MakeOHI/O 2019 Hackathon
- Integrated an Arduino microcontroller and microphone with a Node.js backend to implement a GroupMe alert system that is triggered by excessive background noise levels

SKILLS:

Languages: Python, Golang, C#, Java, C/C++, JavaScript & Node.js, Swift