Yatin Pokle

yatinpokle@utexas.edu | www.linkedin.com/in/yatinpokle | www.cs.utexas.edu/~ypokle/

EDUCATION

University of Texas at Austin, Austin, TX *2021 – 2024*

Bachelor of Science in Computer Science, Minor in Business GPA: 3.87

Texas Exes Dallas Chapter Scholarship Recipient, Texas Excellence Scholarship Recipient

Relevant Coursework: Data Structures, Computer Architecture, Mobile Computing, Principles of Computer Systems (OS), Algorithms and Complexity, Virtualization, Object-Oriented Programming, Web Applications, Machine Learning, and Compilers.

SKILLS

Technical Skills / Certifications:

- Coding Languages: Java, C, Python, HTML, PHP, CSS, and SQL
- Technologies: Docker, Android Studio, Git, Linux, and AWS
- JPMorgan Chase & Co. Software Engineering Virtual Program Participant – July 2022

EXPERIENCE

Amazon, Austin, TX May 2023 – July 2023

Software Developer Engineer Intern

- Designed and implemented an asymmetric key manager for clients to be able to upload public keys and support key rotation without invalidating signatures signed with older keys.
- Experimented with different cryptography asymmetric algorithms to figure out the best algorithm and specifications for my team's use case.
- Given full responsibility from low-level designing to pushing to production.
- Used AWS services such as API Gateway, Secrets Manager, and Key Manager.

iCode, Fairview, TX June 2022 – August 2022

Teaching Lead and Camp Counselor

- Instructed and led summer camps over robotics, game development, and Python on Raspberry Pi.
- Established a curriculum for summer camps and provided technical support for over 50 computers.

Kwench Juice Cafe, Frisco, TX August 2019 – November 2021

Web Developer, Social Media Director, and Juicer

- Made website for Kwench Juice Cafe (kwenchjuicefrisco.com) and managed the cafe's online presence.
- Created and advertised on a multitude of social media platforms, especially during the COVID-19 pandemic.

PROJECTS

Scholastician

- Front End UI and Back End Development using Bootstrap, CPanel Web Hosting, MySQL database.
- Partnered with NHS chapters around the district and have over 150 active students and tutors.
- Official commendation recognized by Congressman Van Taylor.

PintOS

- Built a toy-OS to learn the fundamentals behind an operating system.
- Implemented threading, user programs, virtual memory, and a file system.

JOS Paravirtual Hypervisor

- Built part of a paravirtualization hypervisor in C using Linux/KVM to virtualize guest machines.
- Implemented boot loader, extended page tabling, demand paging, and file IO.

Food Hunt

- Built an app using Android Studio that is a game where the user hunts for ingredients in the real world to make food.
- Used Google Map API and location tracking like Pokémon Go.