
EMPLOYMENT

Terra (YC W21), Full-Stack Software Engineer

JUL 2023 - JUL 2024

Developer Dashboard Project (Product Owner) - React, NextJS, AWS EC2, Docker, Stripe | Community Forum (Product Owner) | Product Analytics: PostHog, A/B Testing | Customer support agent | API development and Management - Flask, FastAPI, RabbitMQ, Celery, PostgreSQL

Private Tutoring, Independent

AUG 2021 - AUG 2023 (230+ hours)

Creating tailored worksheets with LaTeX | Designing lesson plans | Managing student growth & development

Horn Lane Pharmacy, Work Placement

APR 2018

Handling sensitive medical documents | Performing office administration tasks

PROJECTS

Esoteric Language Interpreter - C, GNU build tools

Designed and created a procedural programming language that supports first-class functions and function closure, using C and low-level design principles

Raytracing Engine - C++, CMake, OpenCL, OpenGL, GLFW

Created a graphical engine with raytracer support and classical polygon rendering using Nvidia OpenCL for accelerated parallel computing and OpenGL for presentation

GitHub: <https://github.com/ChandruSu>

EDUCATION

BSc Computer Science with Year in Industry - King's College London

SEP 2021 - JUL 2025

Year 1 (First): Foundations of Computing | Database Systems | Computer Systems | Data structures | Professional Practice

Year 2 (First): Software Engineering Project | Programming Language Paradigms | Internet Systems | Operating Systems

AS and A-Levels - Alperton Community School

SEP 2019 - JUL 2021

A-Level: Physics (A*), Mathematics (A*), Further Mathematics (A*) | AS: Chemistry (A), Extended Project Qualification (A)

SKILLS

- Web Dev: NextJS, React, Tailwind CSS, Node, Cloudflare, Stripe
- Backend Dev: Flask, Django, FastAPI, AWS API Gateway, OTEL
- Unity Engine (C#), LWJGL (Java), OpenGL, GLFW, WebGL
- Design: Adobe Photoshop, Adobe Illustrator, Figma
- AWS: EC2, ECR, RDS (Postgresql), DocumentDB, SQS, S3
- GCP, Firebase

PROGRAMMING LANGUAGES

- Python (Advanced)
 - Java (Advanced)
 - C, C++ (Intermediate)
 - Typescript (Intermediate)
 - C# (Novice)
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