

Aakarsh Sinha

A passionate leader looking for opportunities to grow, learn and make an impact.

www.aakarshsinha.com aakarshs@outlook.com
linkedin.com/in/aakarshsin github.com/Aakarshs
469-597-5199

Earlham College

Graduation Date: May 2020

Undergraduate Majors:

Computer Science • GPA 3.9

Global Management • GPA 4.0

(Supply Chain & Information Technology)

Internship & Leadership Experience

Sallie Mae

May 2019 - Aug 2019

Software Engineering Intern

- Worked with the workflow and document generation team to propose, design and engineer more efficient solutions for document generation that will save Sallie Mae over **\$250,000** annually
- Some of my projects included: **OOXML to XSLT compiler**, creating a **proprietary scripting language** for document template creation and designing an overhauled pipeline

OfficeJS ExpressJS AWS SQS AWS Lambda
AWS S3 Sharepoint jQuery C# Javascript

NadaBot

Jan 2018 - Mar 2019

Co-Founder & Chief Product Officer

- Co-founded an A.I. driven mobile app evaluated at **\$125,000** in its initial funding in December 2018. The application allows students within a community to be a part of a virtual marketplace
- Led a team of 12 and worked extensively with React Native to create the front-end and Flask to implement the backend

React Native Flask Python Javascript
PostgreSQL

enFocus

Feb 2019 - Mar 2019

UI/UX Design Intern

- Worked with a healthcare startup called Healthy Points to create **user experience** and **user interface** designs for their mobile application
- Used IONIC to implement the new designs for the MVP

Ionic Javascript

www.houseofdesign.org

May 2016 - Present

Founder

- Founded an online graphic design firm "HouseOfDesign". Created over **8000** designs through "HouseOfDesign" and catered to the design needs of clients from all over the world.
- Used AngularJS to create the client-facing web application with ExpressJS to implement Restful APIs

AngularJS ExpressJS Mongoose Javascript
MongoDB Sharepoint

Other Skills

Hive Apache Spark Bootstrap Ruby C SQL
C++ NodeJS Git Microsoft Suite SaFe Agile

Leadership @ Earlham College

Resident Assistant

Aug 2019 - Present

- Developed an inclusive community among 100 residents, maximizing positive resident interactions
- Served as a member of the RA search and training committee to overhaul the RA hiring and training process

Computer Science Student Representative

Mar 2019 - Present

- Executed creative programs and facilitated weekly, department meetings to listen to student suggestions and concerns
- Collaborated with the CS faculty to come up with a new plan for the Masters in Teaching program

Computer Science Teaching Assistant

Jan 2018 - Present

- Graded weekly assignments and collaborated with the professor to incorporate new teaching materials

Computer Science Lab Assistant

Jan 2018 - Present

- Assisted students one-on-one with programming in class, during labs, and outside of class and provided feedback and instructions on their code
- Substituted for intro level courses and held tutoring sessions weekly for Programming & Problem Solving and Data Structures (Python)

Other Leadership Experiences

Methane Hub

Jan 2018 - May 2018

Tech Consultant

- Worked with Methane Hub (A startup based in Richmond, IN that helps Haitian entrepreneurs earn money by selling compressed biogas produced from human and animal waste) as a tech consultant
- Helped improve their delivery pipeline by designing a new way of delivering biofuel using low-tech cellphones

Oxaro

May 2013 - Jan 2017

Co-Founder

- Co-founded Oxaro with 4 other people with a mission to help administer and organize national, interstate and inter-school Co-curricular events

E-sports Chapter

Jan 2019 - Aug 2019

Co-Founder & Convener

- Worked with a budget of **\$30,000** to create an inclusive competitive gaming community within Earlham College by hosting events throughout the school year

Co-Op Hall

Aug 2018 - Aug 2019

Convener

- Supervised and attended to the needs of students residing in the residence hall.
- Utilized organizational and public speaking skills to create and present hall programs to educate residents about critical issues

Projects

Gather

Built a mobile application using React Native and Firebase DB that allows people to start gathers (meetups, protests & marches) anywhere they want to

React Native

Javascript

Android SDK

Essential Training App

Built a web application to be used by professors at Earlham college to train students by making them retake procedurally generated physics questions until they get it right. Used ReactJS for the frontend and Django for backend

React Native

Django

Python

Twitter Sentiment Analysis

Created an application that performs sentiment analysis on large Yelp datasets of customer reviews from on kaggle using MapReduce and the Hadoop Distributed System

Hadoop

Java

Bash

Dawn of the A.I.

Created a MMORPG game using Unity that uses genetic algorithm to generate smart enemies

Unity

C#

The Red Tirade

Created an inform7 text based thriller game

Inform7

Egram

Created a Facebook-esque social networking website for Earlham College using ReactJS and ExpressJS that allows people to post pictures and messages on a common board in real time

ExpressJS

React Native

MongoDB

Rollyal

Created a game using Swift that requires the user to use the phone's accelerometer to dodge obstacles and reach the final goal

Swift

Facebook Crawler

Created a Facebook profile crawler using Selenium that scrapes data from user profiles

Python

Selenium

Bash

The Bug

An initiative to improve my own programming skills as well as help others improve theirs. I started a blog that helps people learn the basics of programming while touching some advanced topics in the process

Calci

Created a cross-platform smart calculator using React Native that allows for complex polynomial and geometrical calculations

React Native