

Omar Sinan

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Education

Carnegie Mellon University

B.Sc. in Computer Science
Minor in Information Systems
Class of '21 – University Honors

Coursework

Computer Systems
Distributed Systems
Embedded Systems
Database Applications
Functional Programming
Parallel Data Structures
Machine Learning
Networks & Telecom.
Database Design & Dev.
App Design & Dev.
Natural Language Processing

Skills

Languages

Swift, Python, Ruby, C, C++,
SML, HTML5, CSS3, JavaScript
ES6, Lua, PHP

Frameworks

Django, Ruby on Rails, React,
Flask, jQuery, Bootstrap,
Materialize

Middleware

GraphQL, Express

User Interface Design

Figma, Sketch

Database Development

MySQL, PostgreSQL,
MongoDB

Awards

Extracurricular

Placed 2nd out of 35 teams in
ICPC Bootcamp

Academic

Awarded Dean's list 2019,
2020, 2021

Experience

Rimads

Software Engineer

Jan 2021 - Present

Software Engineer Intern

May - Aug 2020

- Developed backend for Instagram-like stories feature with > 10k views
- Led backend development of in-app forums to increase user retention
- Built a middleware program to synchronize the database with leading partner hospitals in the country
- Wrote documentation for the backend of a database analytics engine
- Programmed 50+ metrics while adhering to given API specifications
- Implemented authorization system to grant access to support team only
- Coordinated with frontend team to implement the analytics dashboard

Carnegie Mellon University

Course Assistant

Sep - Dec 2019

- Helped over 40 students understand key concepts in programming
- Taught students how to debug their weekly programming assignments
- Graded programming assignments based on correctness and style

EButler

iOS Developer Intern

Mar - Aug 2019

- Integrated an online payment system by adhering to API documentation
- Streamlined ordering—39% of new orders used online payment
- Improved the UX of the app using Swift by adding an onboarding screen

Projects

Streaks

iOS Application

- Developed a task manager that gamifies studying through leaderboards
- Programmed in Swift with a Node.js cronjob that checks users' streaks
- Utilized Firebase for storage and synchronized it with the backend
- Deployed a private beta on TestFlight with over 20 active users

Stock Checker

Web Application / Bot

- Developed a Django dashboard to track changes to product availabilities
- Utilized asyncio to run all checks concurrently. Checks 50+ items in < 2s
- Deployed using Telegram and Twitter as mediums to post updates

Sudoku Online

iOS Application

- Created an app that allows 2 players to play Sudoku competitively
- Built using SwiftUI and utilizes Firebase for communication and storage
- Optimized generation algorithm to allow for varying levels of difficulty

Random Ted Talks Video

Web Application

- Created a website that randomly picks a Ted Talk video from YouTube
- Programmed using JavaScript using the YouTube Data API
- Featured on ProductHunt.com with over 600 daily visits