Tommaso Framba

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EDUCATION

UC Santa Cruz   Graduated: June 2022
B.S. in Computer Science
Cumulative GPA 3.38

EXPERIENCE

Guilt Free Hot Water - Contract   May 2020 - Current
Frontend Web Developer
- Independently developed a website for a solar company using node.js, react, CSS, html 5
- Actively update and upgrade the website given client and customer needs

Twisty Leaf - 35,000+ installs on iOS and Android   Sept 2019 - Current
Mobile App
- Independently developed using Java, Kotlin, and XML for Android OS
- Utilized knowledge of fundamental Android Programming techniques: Activity, Fragment, Lifecycle, UI Threading
- Formulated a framework for a "variable endless" style game
- Displayed proficiency in mobile development: viewport variability, low battery consumption, memory allocation

De Anza STEM Tutors - Cupertino CA   Dec 2019 - June 2021
Computer Science and Mathematics Tutor
- Supervised college students and offered individual mentorship for success in STEM courses
- Strategized planned sessions, lessons, and exercises specific to the student's needs
- Curated students specific academic goals by providing one on one mentorship

RELEVANT COURSEWORK

Data Structures and Algorithms
- Covers topics in abstract data types and algorithms including: Linked lists, stacks, queues, hash tables, trees, heaps, and graphs.
- Developed projects in C++ dealing with fundamental abstract data types and algorithms.
- Algorithm assessment via algorithm proofs and big-O analysis.
- Made a dictionary data type that alphabetically sorted sequences of words from large binary or text files.

Distributed Systems
- Covers topics in distributed computing including: communication, naming, synchronization, consistency and replication, fault tolerance, and security.
- Developed projects in python dealing with peer to peer systems, replicated key-value stores, sharded key-value stores.
- Projects all deployed in docker using docker commands and subnets for RESTAPI testing.

RELEVANT LANGUAGE EXPERIENCE

LANGUAGES:	IDE/Tools:	OS:
Java - 6 years	Android Studio - 5 years	Android(Mobile) - 6 years
C++ - 5 years	IntelliJ - 5 years	iOS(Mobile) - 2 years
Python - 4 years	Visual Studio - 4 years	Unix - 4 years
Kotlin - 2 years	Docker - 1 year	Windows - 4 years