

SAMAR KARANCH

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EDUCATION

University of Central Florida, Orlando, FL
Bachelor of Science in Computer Science

Graduation Date: May 2025
GPA 3.97/4.00

Minor: Mathematics

Technical skills: C, Java, JavaScript, TypeScript, Html, CSS, React, Firebase, Next.js, Tailwind CSS, Git, GitHub, Bootstrap, Postman

Relevant Coursework: Data Structures and Algorithms, Object Oriented Programing, AI, Processes of Object-Oriented Development, Calculus 1-3, Discrete Math, Linear Algebra

PROFESSIONAL EXPERIENCE

Orlando Science Center – Orlando, Florida

June 2017 – August 2019

Volunteer Experience Team

- Visitor Experience Team- Helped guests navigate throughout the science center and assisted guests with any questions.
- Demos- Performed live demonstrations to children and taught about science
- Supervised and helped children with activities

Red Cross – Sanford, Florida

August 2020 – August 2022

Volunteer

- Totes for Hope- Made totes and gift bags for veterans
- Hurricane Relief- Prepared supplies for hurricane victims
- International Humanitarian Law- Trained IHL advocate and spread awareness about autonomous weapons
- Sound the Alarm- Installed smoke detectors in low-income communities
- CPR- Trained in CPR by the Red Cross and can teach to others

PROJECTS

Reminder Website

- Developed with Blazor, C#, Html, and CSS
- Created a client-side website that can be used to track daily activities and reminders

Focus Flow

- Developed with Next.js, React, TypeScript, Tailwind CSS, and Firebase
- Collaborated with 4 developers and lead back-end, middleware, and database development
- Designed REST APIs using Nest.js and TypeScript
- Utilized APIs for efficient CRUD operations on the Firebase database
- Implemented Firebase authentication and email verification for user login

Personal Portfolio Website

- Developed with React, Html, Tailwind CSS, and JavaScript
- Personal portfolio that includes information about me and my projects
- Designed UI using Tailwinds CSS
- Implemented Getform submission as contact method

AWARDS

- Summa Cum Laude (May 2021)
- Top 10 Knight (May 2021)
- President's Honor Roll (2021, 2022)