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Sai Teja Chokkarapu

Hover your phone camera here to view my website

Experiences:

Undergraduate TA – Artificial Intelligence **University of Wisconsin – Madison** **Dec '20 - Present**

- Selected based on proficiency in the course and its concepts.
- Held office hours, review sessions, and developed practice problems for over **500** students.

Software Engineer Intern **Tatum Games LLC, California** **Jul '20 - Sept '20**

- Was 1 of the 10 interns who were part of the company's flagship product MIKROS SDK.
- Fixed various failing API's, which increased the accuracy of the application from 15% to 85%.
- Created documentation and wrote modular, secure, well-tested code with various unit tests for SDK in C#.
- Led a team of interns and conducted weekly code reviews which helped them in achieving their weekly sprint targets.
- Used agile and scrum methodology to build the features of phones that combine social and banking functionality to deliver an exciting player experience.

Undergraduate TA – C/Machine Organization **University of Wisconsin – Madison** **Aug '20 - Present**

- Holding office hours, review sessions and small group discussions to assist students with concepts of heap, stack, cache and assembly/C code.
- Conducted review sessions and developed practice problems for over **420** students.

Education:

University of Wisconsin - Madison (BS in Computer Science**)** **May '21**

Languages and Technologies:

- **C, C++, Python, JavaScript, React, React Native, Swift, HTML, CSS, C#, x86, Java, JavaFX, Junit and bash.**
- **Amazon web services, JIRA, GitHub, CLI, Figma, Google Cloud Platform, RESTful API's, Node.js, Cloudflare and Linux.**

Projects:

CapitalOne Financial App [Tech Stack**:** {**HTML, CSS, JavaScript, Cloudflare}]**

Why? – To solve the budgeting/financial problem for college/high school students.

- Created a serverless financial literacy web application with Capital One's Engineering team, to help college students with budgeting/Financial problems **(Demo: https://capitaltwo.ga/)**. Built this application as a **Capstone project** (CS639).
- Examined risk assumptions, profit structure and created a scalable application using business agility and scrum principles.

MobileCoding [Tech Stack: **{React Native, GraphQL, Cloudflare.}]**

Why? – I always wanted a mobile phone complier to quickly test/run my code in places where I can't access my laptop.

- Created a personal IOS/Android application which runs/tests my code over 60+ popular languages.
- Used Sphere Engine API's to create software components and automated testing.

CollabWatch – [Tech Stack: {**JavaScript, PM2, HTML, CSS, Bootstrap, socket.io, AWS, Heroku.**}**]**

Why? – I noticed that most of my peers struggled to watch recorded lectures collaboratively with their friends.

- Developed a web application that allows you to watch class lectures and discuss it with your friends synchronously.

(DEMO: collabwatch.herokuapp.com)

BonePhone – [Tech Stack: {**Swift, XCode, Google Firebase, Twilio API, Twilio SDK**}**]**

Why? – Created an iOS application for a startup which enables doctor–doctor appointments and meetings.

- Built a real-time, non-EHR based, electronic consultation (e-consult) IOS app to connect pediatric and orthopedic specialists at AFCH to healthcare providers throughout the state of Wisconsin.
- Used agile and scrum principles while building the application.
- Embedded Twilio Video SDK's and API's to enable video calling and scheduling feature in the app.

Exercise Tracker – [Tech Stack: {**MongoDB**, **Express, React, NodeJS**}]

Why? – Personal Gym workout tracker

- Build a application to track my day-day Gym workout sessions.

Achievements:

- **Best Educator/Student tool:** Awarded at Hack Madison, WI for Collabwatch..
- **Placed 50th** out of approx. 73,000 students in TCS CodeVita Global Championship [Data structures / Algorithms].
- **Selected for ACM-ICPC(**Olympics for programming**) North America Regionals** to compete against USA' best talent.