A picture containing drawing

Description automatically generatedSai Teja Chokkarapu

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**sai-teja.com**

# Experiences:

# Undergraduate Teaching Assistant University of Wisconsin – Madison Dec ‘20 - Present

# CS 540 (Artificial Intelligence).

# 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 Teaching Assistant University of Wisconsin – Madison Aug ‘20 - Present

# CS 354 (Programming in C and Machine Organization)

# Holding office hours, review sessions and small group discussions to assist students with concepts of heap, stack, cache and assembly/C code.

# Held office hours, review sessions and developed practice problems for over 420 students.

**Education:**

**University of Wisconsin - Madison (**BSinComputer Science**) May** ‘**21**

Languages and Technologies:

* **C, C++, Python, JavaScript, React, React Native, Swift, HTML, CSS, C#, x86, Java, JavaFX, Junit and bash.**
* **AWS, JIRA, Slack, GitHub, CLI, Figma, Google Cloud Platform, RESTful API’s, Bootstrap, Node.js and Linux.**

**Projects:**

**CapitalOne Financial Project.**

**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. Technologies: JIRA, HTML, CSS, JavaScript, Cloudflare.

**MobileCoding**

**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.

Technologies**: React Native, GraphQL, Cloudflare.**

**CollabWatch – (DEMO: collabwatch.herokuapp.com)**

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

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

Technologies: **JavaScript, PM2, HTML, CSS, Bootstrap, socket.io, AWS, Heroku.**

**BonePhone**

**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.

Technologies: **Swift, XCode, Google Firebase, Twilio API, Twilio SDK.**

# 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.