

Experiences:

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| <u>Undergraduate TA – Artificial Intelligence</u> | University of Wisconsin – Madison | Dec '20 - Present |
| <ul style="list-style-type: none">Selected based on proficiency in the course and its concepts.Held office hours, review sessions, and developed practice problems for over 500 students. | | |
| <u>Software Engineer Intern</u> | Tatum Games LLC, California | Jul '20 - Sept '20 |
| <ul style="list-style-type: none">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. | | |
| <u>Undergraduate TA – C/Machine Organization</u> | University of Wisconsin – Madison | Aug '20 - Present |
| <ul style="list-style-type: none">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)** **Dec '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 compiler 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.