

# KENNY SUN

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## EDUCATION

### Clemson University

Aug. 2023 – Dec. 2026

*Bachelor of Science, Major in Computer Science, Minor in Business Administration*

GPA: 4.00 / 4.00

- General Honors Program at Clemson University's Honors College

## EXPERIENCE

### Software Developer Intern

June 2025 – Present

*AgFirst Farm Credit Bank*

*Columbia, SC*

- Prototyped cross-platform mobile apps in .NET MAUI/Blazor Hybrid and React Native/Expo to inform migration strategy from OutSystems, influencing long-term framework choice for AgFirst digital banking
- Implemented automated testing to prove accelerated release cycles
- Aligned UI implementation with the UI/UX team's wireframes, improving usability across mobile platforms
- Delivered technical demos and reports to stakeholders at sprint checkpoints supporting Agile methodology
- *Technologies: .NET, Blazor Hybrid, C#, HTML, CSS, Razor, TypeScript, JavaScript, Expo*

### Web Application Developer Intern

Aug. 2024 – Apr. 2025

*Clemson University Center for Workforce Development*

*Clemson, SC*

- Automated OpenEdX course exports, cutting manual processing time by 6+ hours per export and enabling cross-compatibility with other CMS/LMS
- Enhanced registration flow to capture new data fields supporting analytics
- Presented deliverables in weekly stand-ups in Agile sprints
- *Technologies: Python, Django, Docker, XML*

### Machine Learning Researcher

June 2024 – July 2024

*College of Staten Island*

*Staten Island, NY*

- Validated flood sensor data with KNN and RF models to support predictive modeling of NYC flooding events
- Identified scalability trade-offs by evaluating algorithm complexity on AWS clusters with parallel processing
- *Technologies: Python, Anaconda, Jupyter, Spyder, AWS*

### Computer Science Teaching Assistant

Jan. 2024 – Apr. 2024

*Clemson University School of Computing*

*Clemson, SC*

- Facilitated labs and office hours for 50+ students in introductory CS courses
- Assisted with grading pipeline to improve turnaround time on assignments

## PROJECTS

**RankEm** | *Python, Next.js, API Gateway, Lambda, DynamoDB* | [playrankem.com](https://playrankem.com)

- Web app for users to compete in predicting the AP Top 25 Poll for college sports (in development)
- Developing AWS serverless backend with authentication, leagues, notifications, and guesses
- Implementing REST APIs and Next.js frontend for real-time leaderboards

**StrikePhone** | *Python, React Native/Expo, AWS (API Gateway, Lambda, S3)* | [devpost.com/software/strikephone](https://devpost.com/software/strikephone)

- Built hackathon mobile app to detect strikes/balls in Blitzball with React Native frontend and AWS backend
- Designed a real-time detection pipeline using API Gateway, Lambda, and S3

## EXTRACURRICULARS

### Association for Computing Machinery

**J.L. Mann Robotics President:** Led a 60+ member club to success through collaboration with mentors and student leaders

## TECHNICAL SKILLS

**Languages:** C/C++, Python, Java, TypeScript, C#

**Frameworks:** Django, JUnit, .NET, Expo, Blazor Hybrid, React Native, Next.js

**Developer Tools:** Git, GitHub, VS Code, IntelliJ, Jupyter, Docker, Emacs, Vim, API Gateway, Lambda, DynamoDB, S3

**Libraries:** pandas, NumPy, Matplotlib, mpi4py, scikit-learn

## AWARDS

**2025 CU Hackit:** Most Innovative Hack (StrikePhone)

**2023 CU Hackit Freshman Hello World Competition:** Best Hardware Hack

**South Carolina Palmetto Fellows Scholarship Recipient**

**2021–2022 VEX Robotics SC State Championship:** Tournament Champions