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
- *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
- Evaluated algorithm complexity on AWS clusters with parallel processing, identifying scalability trade-offs
- *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
- 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
- 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