

# REGINALD KEY'SHAWN BILLUPS

Software Engineer | Python Automation | Developer Tools | Product Engineering

Atlanta, GA | 404-683-9747 | rkbillups2@gmail.com | rkbillups.com | github.com/rbillups

---

## PROFESSIONAL SUMMARY

Software Engineer with 3 years of experience building Python-based automation, backend utilities, and testing workflows in a requirements-driven engineering environment. Experienced in object-oriented development, Dockerized environments, Git-based collaboration, CI/CD-adjacent quality workflows, and user-focused product development. M.S. in Cybersecurity and B.S. in Computer Science with an Artificial Intelligence concentration.

## TECHNICAL SKILLS

**Languages:** Python, Java, TypeScript, JavaScript, SQL, Kotlin, HTML/CSS | **Backend & Automation:** APIs, data processing, object-oriented design, PyTest | **DevOps & Quality:** GitLab CI/CD, GitHub Actions, Docker, Git, YAML, validation workflows | **Product & Data:** React Native, Expo, Supabase, PostgreSQL, TensorFlow, Keras

## PROFESSIONAL EXPERIENCE

**Software Engineer** | Lockheed Martin Aeronautics Jun 2023 - Present  
Marietta, GA

- Develop and maintain Python-based automation tools and backend utilities that reduce manual engineering effort and support repeatable internal workflows.
- Contribute to feature development, object-oriented code maintenance, and PyTest-based quality checks within a DevOps-focused software team.
- Support Dockerized development environments and GitLab CI/CD workflows through configuration updates, troubleshooting, testing, and release-readiness activities.
- Build and maintain tooling that processes structured engineering data and produces consistent outputs for downstream users and teams.

**Software Analyst Intern** | Carter Brothers May 2022 - Aug 2022  
Kennesaw, GA

- Supported web application development through UI wireframes, feature implementation, requirements clarification, testing, and issue resolution using HTML, JavaScript, and jQuery.

**Application Support / Developer Intern** | Wilcom Electrical Systems May 2021 - Aug 2021  
Marietta, GA

- Maintained back-office applications and supported deployment, testing, troubleshooting, server updates, custom reporting, and technical documentation.

## SELECTED ENGINEERING WORK

**Sanitized Internal Engineering Automation Case Study** | Python, Object-Oriented Design, PyTest, Document Automation

- Contributed to Python-based tooling that transforms structured engineering inputs into consistent document outputs; developed features and automated validation procedures in a confidentiality-constrained environment.

**NextUp** | React Native, Expo, TypeScript, Supabase

- Built a location-based mobile app that helps basketball players discover nearby courts, create pickup games, RSVP, and coordinate attendance.

**Discord Community Engagement Automation Bot** | Python, discord.py, Heroku

- Built and deployed a configurable Discord bot for scheduled community content, challenges, and voice activity alerts using structured JSON content and environment-based configuration.

**FaceMask Vision Classifier** | Python, TensorFlow, Keras

- Originally developed in 2022; modernized in 2026 with corrected sigmoid-threshold evaluation, reusable modules, CLI scripts, and PyTest coverage. Historical notebook test accuracy: 97.38%.

## EDUCATION & ACHIEVEMENTS

**M.S., Cybersecurity** - Kennesaw State University, May 2026 | GPA: 3.8 / 4.0

**B.S., Computer Science (Artificial Intelligence Concentration)** - Kennesaw State University, May 2023 | GPA: 3.1 / 4.0

**Achievements:** 2nd Place - KSU Hackathon for Social Good (2022) | 3rd Place - KSU CCSE Ideathon (2022) | 2nd Place - KSU Fall Hackathon (2022)