

# KINGSLEY HO

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## EDUCATION

**M.E. in Computer Science**, Virginia Tech

Expected December 2025

**B.S. in Computer Science**, Virginia Tech

December 2024

## TECHNICAL SKILLS

**Programming Languages:** Java, Python, JavaScript, Typescript, HTML, CSS, Kotlin, C, C++, PHP, SQL

**Frameworks:** React, Next.js, Node.js, JarkartaEE, Spring Boot, Laravel, Flask, React Native

**Tools:** MongoDB, Firebase, MySQL, AWS, Docker, Unit Test, Jira, Kanban, Git, Bash, Powershell

## CERTIFICATES & BADGES

- Palantir Foundry & AIP Foundations
- Booz Allen Badges: Python, Spring Boot, SQL, Docker

## EXPERIENCE

**Software Engineer**, Booz Allen Hamilton, McLean, VA

February 2025 - Present

- Built a reusable full-stack boilerplate with React and Spring Boot to accelerate prototyping for a client proposal.
- Implemented and refined multiple features in an internal tool with React (Vite) and Laravel (PHP), continuously advancing the platform's functionality to better support the firm workflows and internal processes.
- Maintained CI/CD pipelines and resolved deployment issues to ensure reliable delivery across staging and production environments.

**Engineering Intern**, Federal Aviation Administration (FAA), Washington, DC

July 2024 - November 2024

- Developed and validated test procedures in a secure testbed environment.
- Analyzed and managed geospatial data using PostgreSQL and PostGIS within FAA's National Airspace System (NAS).
- Tracked issues and documentation with Jira to support code changes and maintain traceability.

**Software Engineer Intern**, Prime Lab, Blacksburg, VA

January 2024 - May 2024

- Migrated backend storage from Firebase to PostgreSQL to align with enterprise database standards.
- Integrated the new database into the university's authentication system.
- Collaborated closely with clients to iterate on features and ensure continuous improvement.
- Performed deployment and testing in real-time environments, simulating concurrent usage by up to 300+ users to ensure stability and performance.

**Undergraduate Researcher**, Virginia Tech - Computer Science, Blacksburg, VA

June 2023 - December 2023

### CodeKids

- Built CodeKids with Next.js, combining an engaging UI and interactive puzzles to teach programming concepts.

### Automated Grading Platform

- Dockerized grading tools to ensure consistent performance across development and deployment environments.
- Improved grading algorithms for accuracy and consistency through the automated grading process.

## RELEVANT PROJECTS

### SpendSmart

- Full-stack expense tracking app for both individual and group usage, optimized for student life.
- Implemented budget visualizations and integrated group-sharing features.

**SoonHealthy**, HackViolet Hackathon 2023

- Designed a React Native app to track menstrual health, allowing customizable calendar tracking and predictions.
- Developed and deployed the MVP within the constraints of a 24-hour hackathon.