

KEYON BIGELOW

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EDUCATION

Bachelor of Science in Computer Science

May 2028

Towson University, Towson, MD

- Honors College Scholar | Greater Washington Scholarship recipient | ODK | UPE | NSCS

EXPERIENCE

Software Developer — SecurEd Inc.

August 2026 - Present

- Developing and refining responsive user interfaces for cybersecurity education platforms using React, TypeScript, and Material UI.
- Translating design requirements and wireframes into reusable front-end components while addressing usability and accessibility needs.

Undergraduate Research Assistant — Towson University

October 2025 - Present

- Conducted literature reviews on authentication, cybersecurity, and accessibility to identify usability barriers for diverse user populations.
- Evaluated existing authentication workflows and proposed human-centered security improvements balancing usability and protection.

Software Development Intern — SecurEd Labs

June 2026 - August 2026

- Designed and developed an internal analytics dashboard and monthly reporting tool using React, TypeScript, Material UI, and REST APIs to support leadership decision-making.
- Collaborated in Agile development using Git, Docker, code reviews, and REST APIs.

PROJECTS

OneTap — Accessible Authentication Research Project

October 2025 - Present

- Designed a multimodal authentication system prioritizing accessibility, usability, and security.
- Developed a React prototype to evaluate authentication workflows.

Code/Clash Hackathon Platform

July 2026 - August 2026

- Designed and developed a responsive platform for Towson University's inaugural Code/Clash hackathon, including participant information, registration, and organizer workflows.
- Integrated Supabase and PostgreSQL to support administrative tools and team invitations, then deployed the platform through GitHub Pages with a custom domain and production SEO configuration.

Tasky — Software Developer (Team Project)

December 2025 - January 2026

- Developed a full-stack MERN task-management platform with responsive React interfaces and REST API integration.

SKILLS

- **Languages:** Java, C++, JavaScript, TypeScript, HTML/CSS • **Frameworks/Technologies:** React, Vite, Material UI, Node.js, Express.js, MongoDB, PostgreSQL, Supabase • **Tools:** Git, GitHub, Docker, Figma