WILL ALGER

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Adaptable CS undergraduate graduating in December 2023 with full-stack experience seeking full-time opportunity. Committed to continuous learning and growth in a dynamic and problem-solving environment.

SKILLS: C++, Java, Python, PHP, Typescript, React, jQuery, HTML, CSS, PHPunit, Pyunit, Docker, Git

EDUCATION

Northern Kentucky University *December 2023*
Bachelor of Science, Computer Science
Minor: Foundations of Knowledge Honors: Natural World Cohort
Honors Student
Overall GPA: 3.97/4

EXPERIENCE

Kroger Technology May 2023 - Current
Software Engineering Intern — Back-end Engineer *Cincinnati, OH*

- Developing Node.js applications in the Customer Identity, Security, and authentication space.
- Improving and maintaining internal microservices and APIs.
- Implementing Azure AD B2C Custom policies for customer Sign-in and Sign-up flow.
- Supporting migration of legacy systems to Azure Platform.

May 2022 - August 2022
Software Engineering Intern — Front-end Engineer *Cincinnati, OH*

- Developed and improved internal tools and technology, including dashboards and widgets.
- Worked with continuous integration and deployment (CI/CD) pipelines.
- Gathered requirements to establish acceptance criteria.
- Managed JIRA workflows and collaborated with PMs and designers in cross-functional settings.

Northern Kentucky University Aug 2022 – Dec 2022
Undergraduate Teaching Assistant *Highland Heights, KY*

- Supported 30+ students in an upper-level computer science course in C++.
- Developed and led interactive class workshops and live coding sessions.
- Presented a lecture on design patterns.

Cincinnati Insurance Companies Sep 2021 – Nov 2021
IT Testing Intern *Cincinnati, OH*

- Documented and reported test results and defects.
- Wrote up and executed test cases.
- Participated in bug triaging and tracking processes.

PROJECTS

RateMyProfessor Web Scraper – GitHub Ongoing

- Developing a wrapper to interact with RateMyProfessor's back-end GraphQL API for an undergraduate research project, allowing data collection of universities, professors, and reviews.

Search Engine for Full-Stack Wiki Application – **GitHub** May 2023

- Implemented an inverted-index based search engine for a full-stack wiki app utilizing Python, Flask, and SQLite with real-time indexing to ensure up to date search results.
- Utilized automated unit testing in PyUnit to ensure high-quality code contributions.
- Developed comprehensive documentation incorporating requirements traceability, test plan creation, and defect tracking.

Linear Feedback Shift Register: Visual Tool – **GitHub** Nov 2022

- Developed a dynamic LFSR visualizer on GitHub Pages using JavaScript, jQuery, Bootstrap, HTML & CSS.
- Empowers cryptology students to deepen understanding of digital encryption.
- Visualizes a core concept in action for better learning experience.

CAMPUS INVOLVEMENT

Sigma Phi Epsilon Fraternity.

Internet of Things (IOT) Club – Build and develop innovative solutions on the Arduino platform with ESP32 microcontrollers.

Hiking Club.