Johnny Drumgole
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OBJECTIVE	Computer Science & Engineering Web Development Position

EDUCATION

Bachelor of Science in Computer Science & Engineering

J.B. Speed School of Engineering, University of Louisville, Louisville, Kentucky   **GPA 3.8/4.0**

SKILLS/COURSEWORK   **Technical Skills/Relevant Coursework**

- **HTML5, CSS, Javascript** • Calculus I-III • **Embedded Systems**
- C, C++, **C#, Python programming,** • Differential Equations
- **Java programming** • Advanced Computer Hardware Maintenance
- SQL (novice level) • Databases • **Harvard Cs50 Edx** • **Linux**
- **Software Engineering 350** • Next.js • **Microprocessor and Microcontrollers**

APPLIED EXPERIENCE   **Course Projects:**

C/C++ Developed a simple 3D tic-tac-toe game with a classmate using Used **C programming**.

JAVA: Used object oriented programming with JAVA; develop an address book and simple calculator.

Independent Project:

Python/C#: Multiple problem-solving solutions **from Kattis.com/LeetCode**

L1 Rocket Certified: Certification for high power rocketry consists of H impulse class motor.

HTML/CSS/JavaScript:

- Ecommerce Website.
- Study App for own personal use.

WORK EXPERIENCE

Avionic Engineer and Developer	July 2019 – August 2022
RiverCity Rocketry	Louisville, KY

- Program of flight computers and flight software to checkout of guidance, navigation, flight controls, and propulsion avionics systems. Designed user-friendly team website.

Automation Engineer	August 2022 – December 2022
Opus integration	Louisville, KY

- Implement PLC with Rockwell Software using C, C++ and ladder programming.

NSIN X-Force and NASA contract Engineer	June 2023 – present
U.S. Department of Defense	Hybrid

- Developed database web application on closed network using SQL and Next.js stack framework.
- Designed and deployed a virtualized environment using VirtualBox to create test environments.

ACTIVITIES/HONORS

Member, **NCAA Division I Student-Athlete – University of Louisville Football Team**	January 2019 - present
Member, International **Collegiate Programming Contest (ICPC)**	December 2020 - present