JUSTIN CHARLES BURRELL

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EDUCATION

Lehigh University - Bethlehem, PA   Expected Graduation May 2026
Bachelor of Science in Computer Science and Engineering
Relevant Coursework: Introduction to Computer Science, Data Structures and Algorithms, Software Engineering, Discrete Structures and Algorithms, Calculus II
Horace Mann School - New York, NY   September 2017 - June 2022
Prep for Prep - New York, NY   June 2016 - Present
All Star Code - New York, NY   July 2020 - Present

TECHNICAL SKILLS AND INVOLVEMENT

Programming Languages: Javascript, Python, HTML/CSS, Java, SQL, Dart, C#
Frameworks and Other Tools: React.js, AWS, Maven, Google Cloud, Flutter, Git, VS Code, Jupyter, ASP.NET, Firebase, Docker
Organizations: National Society of Black Engineers, ColorStack, Kappa Alpha Psi Fraternity, Incorporated., All Star Code
Interests: New York Knicks, Soul Food, Cooking, R&B, Travel, eSports

PROFESSIONAL EXPERIENCE

Frood, Bethlehem, PA   January 2025 - Present
Full Stack Engineer
- Joined a development team building a scalable web and mobile platform using ASP.NET Core, Flutter, Dart, and C# to reduce food waste and improve campus food access.
- Refactored backend services and database structure to support platform expansion to additional universities.
- Learned and implemented CI/CD pipelines, Docker containerization, and Kubernetes orchestration to automate deployment and improve system scalability.

EY US, New York, NY   June 2024 - August 2024
Launch Technology Consulting Intern
Rotation One: Artificial Intelligence and Data Automation (AI&D)
- Created client-ready materials using Microsoft Office to articulate complex data testing processes, enhancing comprehension and engagement while contributing to manual and automated testing of AI applications.
- Partnered with offshore data engineers and testers to troubleshoot and optimize data frameworks, gaining hands-on experience in SQL, AWS, and Python development.
Rotation Two: Systems, Applications & Products in Data Processing (SAP)
- Managed and organized 300 files using SAP Signavio to ensure workflow automation and compliance, while updating the firm's front-end SAP website and gaining insights from industry leaders on SAP practices.

LEADERSHIP EXPERIENCE

Lehigh University Chapter of ColorStack, *Founding Chapter Member and Secretary*   March 2025 - Present
- Contributed to establishing the chapter and securing student organization recognition by the Student Senate.
- Managed communications with the general body and other chapters via email and social media.
- Organized and maintained a shared Google Drive with meeting notes, event plans, and essential chapter resources.

Omicron Kappa of Kappa Alpha Psi Fraternity Incorporated., *Polemarch and MTA Chairman*   November 2023 - Present
- Expanded campus presence through social media promotions, tabling, events, and service activities while serving as a liaison between the chapter, administrators, and student body.
- Led new member education programs and communicated chapter operations to alumni and department chairs.

Black Student Union, *President*   August 2023 - Present
- Prevented scheduling conflicts and boosted event quality, enhancing member and Lehigh community engagement through innovative planning and resource management.
- Orchestrated diverse events, creating two new initiatives per semester while ensuring seamless logistics, budget management, and security.
- Leads executive board meetings, and serves as face of the organization with partner departments and organizations.

Student Senate, *Assistant Vice President of Finance*   January 2023 - Present
- Conducted financial reviews of student-run organizations, assessing their budget proposals, expenditure, and historical spending patterns to ensure responsible allocation of the $450,000 Senate budget.
- Collaborated with club leaders to assess the impact and relevance of proposed initiatives to prioritize allocations that align with the diverse needs and interests of Lehigh University's student body.