

Edward Carter III

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Education

Bachelor of Science in Engineering, May 2023
Northern Illinois University, DeKalb, Illinois
Area of Focus: **Mechatronics**
GPA: **3.07/4.00**
Dean's List: **Fall 2018 & Spring 2020 & 2021**



Technical Skills

Computer: NX Software, Visualization Mockup, SolidWorks, Lean Six Sigma, MS Office Suite, Google Workspace, SketchUp
Relevant Courses: Engineering Graphics, Engineering Statics, Programming for Mechatronics, Mechanical Vibrations, Mechanics of Materials, Signals and Systems, Robotics and Automation, Electronics

Employment Experience

Vehicle Architecture Engineer | *Navistar Inc.*, Lisle, IL | **June 2023 – Present**

- Works closely with program and engineering management to translate and incorporate customer vehicle-level performance and configuration requirements into cross-functional integration and design targets.
- Establishes product structure and data management leadership in the creation and maintenance of vehicle-level master models.
- Takes a proactive, leadership role by acting as a customer advocate and technical 'referee' for cross-functional attribute, design and vehicle packaging efforts.
- Performs and/or coordinates packaging studies to meet vehicle integration requirements.
- Interacts effectively across the organization: program management, customers, application engineering, design teams, manufacturing teams, and senior management.



Product Quality Intern | *Volkswagen Group of America*, Auburn Hills, MI | **June 2022 – August 2022**

- Travel to Chattanooga, Tennessee to evaluate new 2023 Volkswagen model vehicles before being sent to dealerships
- Assist in addressing top technical issues and push them through the resolution process with different factories
- Assist in recommending and reviewing summarizing quality issues, short and permanent corrective actions with Vehicle Integration, Assembly, Customer Satisfaction Teams, Program Management and Vehicle launch teams
- Gain an understanding and impact of quality surveys (Consumer Reports, JD Power IQS, CSI, APEAL, SSI, and various enthusiast publications)
- Perform statistical analysis utilizing warranty, internal quality survey data to monitor trends and provide forecasts



Business Process Engineering & Strategy | *The Options Clearing Corporation*, Chicago, IL | **July 2021 – August 2021**

- Learn process automation business analysis to participate in various efforts to help identify requirements for new automation or enhancements.
- Work in research, process modeling, value stream development, and other business process management tasks.



Intern | *The Greenwood Project*, Chicago, IL | **June 2021 – August 2021**

- Participate in a 4-week intensive training to learn the skills needed to succeed in a financial internship including company analysis, financial markets, financial statements, compliance and regulation, and valuation.
- Pitch an investment in collaboration with two other scholars in Greenwood Project's end-of-summer stock pitch competition.
- Network with industry professionals from William Blair, Morgan Stanley, and JP Morgan Chase at weekly "Lunch and Learn" sessions.



Front Desk Associate/Ambassador | *Center for Black Studies*, DeKalb, IL | **August 2021 – May 2023**

- Represent the Center for Black Studies in different capacities, panel discussions
- Utilize customer-service skills to create a welcoming environment
- Serve as a resource for students to help them navigate the challenges higher education
- Give tours to prospective students to boost enthusiasm in the Center and the Black Studies minor
- Assist in the planning of events, logistical, and other major functions

Community Advisor | *NIU Housing and Residential Services, DeKalb, IL* | **January 2020 – May 2021**

- Serve as a role model and mentor to residents in their community on campus.
- Work to encourage individual growth while promoting a safe, secure, and welcoming community where students can have a positive living and learning experience.



Front Desk Assistant | *NIU Housing and Residential Services, DeKalb, IL* | **October 2019 – December 2021**

- Adhere to any administrative duties involved with residential assistance utilizing my effective time management, and organization skills.
- Check-in residents during after-hours to ensure safety in the hall.
- Maintain all temporary keys for the purpose of resident lockouts.

Leadership Development

Ambassador | *College of Engineering and Engineering Technology, DeKalb, IL* | **January 2020 – May 2023**

- Engage in community service to the college as part of the CEET Ambassadors Club.
- Attends regular Ambassadors Club meetings and training sessions.
- Leads of the facilities of the Engineering Building and what the college has to offer.
- Assist as needed with college events i.e., open houses, admitted student's day, college tours, working with visiting.



Technical Outreach Community Help (T.O.R.C.H.) Chair | *NIU Chapter of NSBE, DeKalb, IL* | **August 2020 – May 2021**

- Organize community service and STEM outreach programs, events, and projects
- Shall build and establish connections to local NSBE Jr. chapters, middle schools, and high schools
- Perform such other activities, duties, and responsibilities as designated by the President
- Produce an official transition report at the close of the term of office



Polemarch | *Epsilon Omicron Chapter of Kappa Alpha Psi Fraternity Inc., DeKalb, IL* | **May 2022 – May 2023**

- The official head of the chapter.
- Preside at its meetings and have general supervision of its affairs.
- Appoint all committees not otherwise provided for by law.
- Calls special or extra meetings when he considers it necessary, provided, each member of the chapter shall be notified in writing at least five days in advance of such meetings.
- Sees to it that the officers of the chapter discharge their duties faithfully, impartially, accurately, and promptly, and he shall enforce strict observance of the laws and policies of the Fraternity.
- Sign all warrants for the payment of money authorized by a chapter and perform such other duties imposed upon him by law.



Undergraduate Board Member | *North Central Province of Kappa Alpha Psi Fraternity, Inc* | **April 2022 – May 2023**

- Act as a liaison between the North Central Province Board and the chapters it contains
- Establish the organization's vision, mission, and purpose
- Create a strategic plan and ensure that it's followed
- Strengthen the Province's programs and services



Projects

Smart Mirror | *NIU Chapter of NSBE* | **March 2021**

- Provide multiple functionalities ranging from touchscreen interface, Google Assistant, and Alexa connectivity
- Create an electronic device powered by raspberry pi using the google assistant as a base
- Work as a team to program the mirror to do things such as: show the weather, play music, show messages, display reminders, etc.



Honors & Awards

Centennial Merit Scholarship | *Northern Illinois University* | **2018 - 2022**

Mr. Freshman Black Student Union 2019 | *Black Student Union, Northern Illinois University* | **2019**

Crane Composites Expendable Scholarship in Engineering and Engineering Technology | **2019**

Emerging Leaders' Award | *Student Government Association, Northern Illinois University* | **2019**

APEX Member | *National Society of Black Engineers* | **2019**

Junior Leadership Award | *Student Government Association, Northern Illinois University* | **2021**

Lori Richards and Ken Newbaker Undergraduate Scholarship | *Northern Illinois University* | **2022**

Certificates

Bloomberg Market Concepts | *Bloomberg* | **2021**

- E-learning course that introduces the context of financial markets and practices using Bloomberg Terminal
- Demonstrate they have completed the BMC modules ahead of the game when applying for entry-level financial services positions
- Modules include Economics, Currencies, Fixed-Income, and Equities

