

Caroline Jackson

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Education

Auburn University Harrison School of Pharmacy: Auburn, AL **Aug 2019 – Present**
Doctor of Pharmacy, PharmD
Expected Completion Date: May 2023

Auburn University: Auburn, AL **Aug 2016 – May 2019**
B.S. Biomedical Sciences, Summa Cum Laude

Advanced Pharmacy Practice Experiences (APPEs)

Internal Medicine **February 2023 – March 2023**
5-week Selective Medicine Rotation
Children's of Alabama
Preceptor: April Yarbrough, PharmD

Inpatient Operations **January 2023 – February 2023**
5-week Health System Practice Rotation
Encompass Health Lakeshore Rehabilitation Hospital
Preceptor: Stephanie Cochrell, PharmD

Interdisciplinary Ambulatory Care **November 2022 – December 2022**
5-week Primary Care Rotation
Baptist Health Foundation Center for Medical and Surgical Care at Princeton Baptist Medical Center, Birmingham, AL
Preceptor: Kristi Kelley, PharmD, BCPS, BCACP, CDE, BC-ADM

- Conducted a Continuing Education presentation for nurses through Auburn University on background and treatment of bipolar disorder
- Performed medication histories for approximately 5 patients each day
- Member of interprofessional team including attending physician, medical residents, pharmacists, nurses, and social workers
- Responded to drug information questions from resident physicians and worked daily with resident physicians to optimize therapy

Community Health **October 2022 – November 2022**
5-week Community Rotation
Publix Pharmacy, Birmingham, AL
Preceptor: Giselle Reed, PharmD

- Performed transfers to-and-from pharmacies, communicated with physician's offices about new prescriptions, medication refills, prescription clarifications, and prior authorizations
- Counseled patients on new prescription medication therapies and recommended over-the-counter medications
- Data-entry for prescriptions, processed insurance and used trouble-shooting to optimize cost-effectiveness for each patient
- Administered, recommended, and counseled patients on receiving immunizations including vaccines for influenza, COVID-19, shingles, and pneumonia

Interdisciplinary Ambulatory Care

September 2022 – October 2022

5-week Primary Care Rotation

University Medical Center Family Medicine Clinic, Tuscaloosa, AL

Preceptor: Dana Carroll, PharmD

- Member of interprofessional team including attending physician, geriatric fellow, medical residents, pharmacists, pharmacy residents, and social workers. Worked with medical residents and fellows to interview patients, collect medical and medication histories, reconcile medication therapy, make an assessment and plan for each patient, and report information to attending physician and pharmacist. SOAP notes written for patients in clinic in order to relay assessment and plan to other healthcare providers
- Participation in pharmacist-led pharmacotherapy clinic for medically-complex and/or polypharmacy patients. Patients were assessed through self-led interviewing, physical exam, collection of vitals, and medication reconciliation. Self-developed assessment and plans of care were developed and reported to precepting pharmacist. SOAP notes and pharmacotherapy notes written on findings for utilization of other healthcare professionals
- Assisted in weekly diabetes education classes for long-term and newly-diagnosed patients with type 2 diabetes including counseling on oral medications, insulin therapy, eating habits, and physical activity that will benefit the patient
- Assessment, utilization, and presentation of primary literature relating to disease-specific patient problems

Critical Care

August 2022 – September 2022

5-week Elective Medicine Rotation

Princeton Baptist Medical Center, Birmingham, AL

Preceptor: Alyssa Osmonson, PharmD, BCPS

- Responsible for care of half of the 12-bed cardiac intensive care unit as a member of interprofessional team including critical care attending physician, medical residents, pharmacists, and nurses. Role on team included recommending, monitoring, and following up on each patient's medications related to disease, laboratory data, and vital signs.

- Participated in walking rounds daily with interprofessional team.
- Ensured each patient’s medication therapy was optimized and appropriate including each medication having an appropriate indication, dose, route, frequency, and duration. Frequent monitoring of efficacy and safety (adverse events, drug interactions, etc.) for all medications
- Daily medication reconciliation through patient and/or caregiver interview and outpatient refill history through SureScripts data or contacting community pharmacy
- Vancomycin dosing, monitoring, and follow-up

Internal Medicine

June 2022 – July 2022

5-week Selective Medicine Rotation

Princeton Baptist Medical Center, Birmingham, AL

Preceptor: Jessica Starr, PharmD, FCCP, BCPS

- Member of an interprofessional team including attending physicians, upper-level medical residents, medical interns, pharmacists, nurses, and social workers. Collected data daily in order to assess and plan for the care of eight to ten patients per day in both the intensive care and medical-surgical units
- Participated in sit-down and walking-rounds on a daily basis with medical team in which patients were discussed, assessed, therapy and medication recommendations were provided to medical team, and plans were made for optimization of care
- Daily medication reconciliation through patient and/or caregiver interview and outpatient refill history

Internal Medicine

May 2022 – June 2022

5-week Elective Medicine Rotation

University of Alabama at Birmingham (UAB) Hospital, Birmingham, AL

Preceptor: Leah Ann Durham, PharmD

- Member of an interprofessional team including attending physicians, pharmacists, nurses, and social workers. Collected data, recommended, monitored, and followed-up on up to fifteen patients on two internal medicine units daily
- Participated in transitions of care rounds on a daily basis
- Counseled patients on their discharge medications, specifically oral anticoagulants and antibiotics
- Obtained patient medication histories daily through patient and/or caregiver interview and contacting community pharmacies. Reconciled medications to ensure patient was on appropriate medications inpatient

Introductory Pharmacy Practice Experiences (IPPEs)

Institutional**July 2021**

80-hour Institutional Rotation

Huntsville Hospital, Huntsville, AL

Preceptor: Mary Dang, PharmD

- Participated in observation of pharmacists in central pharmacy, unit-based pharmacists, Infectious Disease pharmacist, and Emergency Department pharmacist.

Clinical and Critical Care**May 2021**

40-hour Clinical Rotation

Druid County Hospital (DCH), Tuscaloosa, AL

Preceptor: Marilyn Bulloch, PharmD, BCPS, FCCM

- Part of interprofessional team of attending physician, medical residents, medical students, pharmacists, and nurses that rounded daily on patients
- Followed 2 to 3 patients daily

Population Health**January 2021 – February 2021**

10-hour Telehealth Experience

Auburn University Harrison School of Pharmacy, Auburn, AL

Preceptor: Courtney Gamston, ScM, PharmD, BCPS

Immunization**September 2020 – October 2020**

40-hour Community Rotation

CVS Health, Birmingham, AL

Preceptor: Case McKee, PharmD, CSP

- Provided immunizations including the influenza vaccine, the pneumococcal 23-valent polysaccharide vaccine, and the Herpes Zoster vaccine.
- Recruited individuals to be vaccinated through education of the benefits of receiving vaccinations.
- Educated patients on adverse effects of the vaccine, and protocol for follow-up vaccinations that may be necessary.

Community Health**May 2020 – June 2020**

120-hour Community Rotation

Walgreens Pharmacy, Birmingham, AL

Preceptor: Monica Morgan, PharmD, CSP

- Performed transfers to-and-from pharmacies, communicated with physician's offices about medication refills.
- Completed Medication Therapy Management (MTM) modules and performed MTM consultations for patients that were new to their medication therapy and patients that were late to refill their medications.
- Provided education to pharmacy staff and counseling to patients regarding signs of opioid overdoses and naloxone use and administration.
- Performed general technician level responsibilities such as filling and refilling prescriptions that were verified by the pharmacist.

Work Experience

Ascension St. Vincent's Hospital: Birmingham, AL **June 2019 – Present**

- Work as a pharmacy intern with roles including refilling Pyxis machines in internal medicine units, intensive care units, women's and children's units, and orthopedic sports surgery center. Responsible for refilling medication trays for codes, refilled code boxes, and pre-packed medications to be put on the shelves. When working in the central pharmacy, pulled medications from the shelves and distributed them to the floors and called nursing units to speak to both nurses and physicians about medication needs of patients. When working in the operating room satellite pharmacy, role included filling epidural and surgical medication trays, assisting nurses and surgeons with medication needs, and observing surgical procedures. Spent time working on special projects including reconfiguring Pyxis machines to improve medication safety and reduce opportunities for medication errors due to pulling incorrect medications and optimized medication use by ensuring medication in pharmacy and in Pyxis machines were in date. Shadowed clinical specialists, unit-based pharmacists, and central pharmacists throughout years of working.

The Post-Graduate Pharmacist Podcast: Auburn, AL **August 2021 – August 2022**

- Worked as an executive producer and intern for The Post-Graduate Podcast where responsibilities included role involving contacting professionals in the field of pharmacy to be a guest on the podcast, marketing the podcast on social media platforms including Facebook, Twitter, and Instagram, and participating in data collection, the production of show notes, and filming the podcast.

Crestline Pharmacy: Birmingham, AL **May 2017 – August 2017**

- Worked as a pharmacy technician by filling prescriptions, counting inventory, stocking medications and over the counter products, and assisting patients.

Publications

Jackson C, Kelley K. *Updated recommendations for pneumococcal vaccination in adults.* *InPharmative Quarterly.* Submitted December 2022.

Jackson C, Blackmon Z, Hiott C, Maxson R. Will GLP1-RAs be the new cardio-metabolic-kidney drug? *InPharmative Quarterly.* Submitted October 2022.

Jackson C, Maxson R. Medications and the Kidney. *Physician Assistant Clinics.* 2022 Apr; 7(2): in press.

Oral Presentations

Jackson C. *Role of Desmopressin in the Overcorrection of Hyponatremia.* Patient Presentation for clinical pharmacists, pharmacy residents, and APPE students at Princeton Baptist Medical Center. Birmingham, AL. August 31, 2022.

Jackson C. *Acetylcholinesterase Inhibitors in Vascular Dementia.* Patient Presentation for clinical pharmacists, pharmacy residents, and APPE students at Princeton Baptist Medical Center. Birmingham, AL. July 2022.

Jackson C. *DPP4i, GLP-1 RA, and SGLT2i in the Management of Type 2 Diabetes Mellitus.* University of Alabama at Birmingham Medicine: Clinical Pearls Monthly Meeting. Birmingham, AL. June 16, 2022.

Poster Presentations

Jackson C, Ramesh S , Govindarajulu M, Thomas T, Moore T, Dhanasekaran M. *Impact of COVID-19 on the Gastrointestinal Tract.* Harrison College of Pharmacy Research Showcase 2022. Auburn, AL. April 22, 2022.

Jackson C, Ramesh S , Govindarajulu M, Thomas T, Moore T, Dhanasekaran M. *Systemic evaluation of prevalent gastrointestinal pathologies associated with COVID-19.* Technological Advances in Science, Medicine, and Engineering Conference. Toronto, Ontario, Canada. July 4, 2021.

Jackson C, Ramesh S , Govindarajulu M, Thomas T, Moore T, Dhanasekaran M. *Systemic evaluation of prevalent gastrointestinal pathologies associated with COVID-19.* This is Research Student Symposium. Auburn, AL. March 26, 2021.

Jackson C, Pondugula S, Majrashi M, Almaghrabi M, Abbott K, Govindarajulu M, Ramesh S, Gill K, Fahoury E, Narayanan N, Desai D, Nadar R, McElroy E, Moore T, Dhanasekaran M. *Can a “hyperglycemia environment” be associated with cognitive decline in valid rodent models?* This is Research Student Symposium. Auburn, AL, May 15, 2020.

Jackson C, Pondugula S, Majrashi M, Almaghrabi M, Abbott K, Govindarajulu M, Ramesh S, Gill K, Fahoury E, Narayanan N, Desai D, Nadar R, McElroy E, Moore T, Dhanasekaran M. *Hematological markers detect cognitive impairment in rodent models tested with streptozotocin and chemotherapy.* Center for Neuroscience Initiative. Auburn, AL. February 28, 2020.

Jackson C, Pondugula S, Majrashi M, Almaghrabi M, Abbott K, Govindarajulu M, Ramesh S, Gill K, Fahoury E, Narayanan N, Desai D, Nadar R, McElroy E, Moore T, Dhanasekaran M. *Predictable hematological markers associated with cognitive decline in valid rodent models of cognitive impairment.* Edward Via College of Osteopathic Medicine Research Recognition Day. Auburn, AL. February 14, 2020.

Jackson C, Majrashi M, Beamon H, Almaghrabi M, Desai D, Ramesh D, Moore T, Bradford C, Dhanasekaran M. *Aging Scrotum in Goat is Attributed to Augmented Oxidative Stress and*

Reduced Mitochondrial Functions. This is Research Student Symposium. Auburn, AL. March 26, 2018.

Research

Hattaway Q, **Jackson C**, Carswell K, Pinner N, Starr J. *Direct oral anticoagulants for the treatment of venous thromboembolism in obesity*. Princeton Baptist Medical Center. Birmingham, AL. October 2022-Present.

- Metro West and Auburn University Institutional Review Board (IRB) Approval
- Participated in preparing IRB composition and data collection

Hohmann L, Hiott C, **Jackson C**, Blackmon Z, Willis J, Harris AO, Maxson, R. *Effect of pill pack system on clinical outcomes, medication adherence, and patient satisfaction*. Mills Pharmacy. Birmingham, AL. October 2021-Present.

- Auburn University Institutional Review Board (IRB) Approval
- Participated in IRB composition and data collection

Jackson C, Ramesh S, Govindarajulu M, Thomas T, Moore T, Dhanasekaran M. *Systemic evaluation of prevalent gastrointestinal pathologies associated with COVID-19*. Auburn, AL. January 2021-April 2022.

- Participated in research, data collection, statistical analysis, and abstract/poster creation

Jackson C, Pondugula S, Majrashi M, Almaghrabi M, Abbott K, Govindarajulu M, Ramesh S, Gill K, Fahoury E, Narayanan N, Desai D, Nadar R, McElroy E, Moore T, Dhanasekaran M. *Predictable hematological markers associated with cognitive decline in valid rodent models of cognitive impairment*. Auburn, AL. November 2019-May 2020.

- Participated in data collection, statistical analysis, and abstract/poster creation

Jackson C, Majrashi M, Beamon H, Almaghrabi M, Desai D, Ramesh D, Moore T, Bradford C, Dhanasekaran M. *Aging Scrotum in Goat is Attributed to Augmented Oxidative Stress and Reduced Mitochondrial Functions*. November 2017-March 2018.

- Participated in data collection, statistical analysis, and abstract/poster creation

Teaching Experience

Harrison School of Pharmacy Peer Tutor

August 2021 – August 2022

- Met individually with students for one-hour peer tutoring sessions related to foundational knowledge, pathophysiology, pharmacological and clinical content in the Integrated Learning Experience course for second-year pharmacy students.
- Held group peer tutoring sessions based on disease states including both pharmacological and clinical content for second-year pharmacy students.

P1 Orientation Leader

August 2020, August 2021

- Worked with P1 Orientation Course Coordinators to execute a 2-hour session at P1 Orientation called “The THAT Person Session”.

- During the session, independently led an assigned group of P1s (6-7 students) through facilitated activities centered on team dynamics. Facilitated activities included role play, in the moment reflection, and discussion of strategies for effective team functionality. Also assisted the group with the development of their team contract.

Undergraduate Teaching Assistant: Auburn, AL **August 2018 – December 2018**

- Worked for the College of Sciences and Mathematics at Auburn University in the Biomedical Sciences department while teaching Anatomy and Physiology I. Majority of time was spent conducting lab every week including teaching anatomy, physiology, and assisting with dissections.

Professional Leadership

Rho Chi Honor Society, Zeta Chapter President **September 2021 – September 2022**

Harrison School of Pharmacy Ambassadors
 Student Affairs Coordinator **August 2021 – August 2022**
 Ambassador **August 2020 – Present**

College of Psychiatric and Neurologic Pharmacists Auburn Chapter
 Secretary **May 2021 – May 2022**
 QPR Gatekeeper Training Chair **August 2020 – May 2021**
 Mental Illness Outreach Chair **May 2020 – May 2021**
 Alzheimer’s Walk Chair **May 2020 – May 2021**

Early Access Program Mentor **August 2020 – May 2022**

Professional Involvement

Alabama Society of Health-Systems Pharmacy **August 2022 – Present**

Rho Chi Society **August 2021 – Present**

Student College of Clinical Pharmacy **August 2021 – Present**

Auburn University Student Society of Health-Systems Pharmacy **August 2019 – Present**

College of Psychiatric and Neurologic Pharmacists **August 2019 – Present**

Harrison School of Pharmacy Pack It Up Club **August 2020 – May 2020**

Professional Meetings

ASHP Midyear Meeting **December 2022**
Las Vegas, NV

ALSHP Annual Meeting **November 2022**
Prattville, AL

Rho Chi Centennial Celebration **March 2022**
San Antonio, TX

Alabama Pharmacy Association Legislative Reception **February 2022**
Montgomery, AL

Professional and Community Service

CPNP (AAPP) Mental Health Fair **February 2020, March 2021, March 2022**

- Patient screening offering blood pressure, blood sugar, depression screenings using the PHQ-9 and anxiety screenings using the Beck Anxiety Inventory (BAI).

East Alabama Walk to End Alzheimer's **October 2020, November 2021**

Mustard Seed Church Health Fair **September 2019**

- Participated in the screening of patient's in the Opelika community for depression and anxiety.

Storybook Farms **January 2019 – May 2019**

- Weekly volunteer at non-profit that worked to empower children that are impacted by adversity by exposing them to nature and animals.

Pine Hills Literacy Project **August 2018 – December 2018**

- Weekly volunteer with first through sixth graders at after-school program with goal of creating an engaging and enjoyable experience around reading.

Honors and Awards

Merck Award for Academic Excellence **April 2022**

Harrison College of Pharmacy Professionalism Award **April 2022**

P2 Peer Coach Recognition of Service **April 2022**

Lucy C. Weil Endowed Scholarship **August 2021 – Present**

Harrison School of Pharmacy Student Researcher Award **April 2021**

Golden Key International Honor Society **May 2020**
• Top 15% of pharmacy class

Edward Via College of Osteopathic Medicine Research Recognition Day **February 2020**
• First Place Poster Presentation of Graduate/Undergraduate Category

Pharmacy Dean's Scholar Scholarship **August 2019 – May 2021**

Auburn Achievement Scholarship **August 2016 – May 2020**
• Four-Year Scholarship for High School Academic Achievement

Pi Kappa Phi Honor Society **Augu**

Professional Certifications

Basic Life Support **April 2021**

QPR Gatekeeper Training **November 2020**

Smoking Cessation Certification **November 2020**

Pharmacy-Based Immunization Delivery **August 2020**

Collaborative Institutional Training Initiative (CITI) **August 2020**
HIPAA and Human Subjects Research
IRB Health Science Emphasis

HIPAA Training **July 2020**

CPR Certified, American Red Cross **June 2018**

Lifeguard Certified, American Red Cross **June 2018**

Professional Licensure

Alabama Pharmacy Extern/Intern **August 2019 - Present**
License Number: S13084

Alabama Pharmacy Technician **May 2017 – July 2019**
License Number: T52611

References

References are available upon request