

EDUCATION

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- **Kennesaw State University** Kennesaw, GA  
*Master of Science in Computer Science* Expected May 2022
- **Kennesaw State University** Kennesaw, GA  
*Bachelor of Science in Computer Engineering* Awarded May 2020
- **University of North Georgia** Dahlonega, GA  
*Associate of Science in Engineering* Awarded May 2017

SKILLS

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- **Languages:** Python, Go, Julia **Database:** SQL, Key-value store, Document-based
- **Technologies:** Docker, Git, Linux, Nix

EXPERIENCE

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- **NCR Global Headquarters** Atlanta, GA  
*Software Engineer Intern* May 2021 - Present
  - Developed machine learning solution and to reduce self-checkout transaction times and costs
  - Submitted 2 invention disclosure reports to the patent review board
- **Kennesaw State University** Kennesaw, GA  
*Graduate Research Assistant* May 2020 - Present
  - Attended 2 virtual conferences to present research publications
  - Researched deep reinforcement learning efforts for mobile robotics
  - Proposed solution for efficient sampling of experiences for training reinforcement learning models
  - Created machine learning application to support rehabilitation of stroke patients who cannot be helped with current methods
  - Developing machine learning pipeline to bolster myrmecological research based on texture analysis methods

PROJECTS

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- **Nutriverify (Patent Pending)** NCR Global Hackathon - Third Place  
*Summary: Analyzes nutrition info with computer vision techniques* Summer 2020
  - Achieved third place in global hackathon with over 2400 participants
  - Worked on a team with a diverse skill set to deliver a vision system demonstration
  - Created Python backend with Flask and OpenCV to analyze images and serve extracted information
- **EMG-Based Wrist Movement Prediction** IEEE BIBE 2020  
*Summary: Predicts extension or flexion of the wrist to promote stroke patient rehabilitation* Fall 2020
  - Worked with local startup *Motus Nova* and their product Hand Mentor Pro
  - Created scripts to collect data using four healthy patients and to label the data
  - Designed an algorithm and deployed to an embedded system to predict the direction of motion in real-time

COMMUNITY

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- Awarded the rank of Eagle Scout by Boy Scouts of America in 2014
- Attended 8 hackathons including 5 virtual hackathons
- Active member of the KSU Apprentice Club, a professional practice club for Computer Engineers