

SKILLS

Languages		Experience	Environments
C++	C#	Image Processing	Unity
Python	Java	Computer Vision	Unreal Engine
Go	Matlab	Mobile Development	Android Studio
HTML/CSS	Javascript	Machine Learning	Windows and Unix-like

EDUCATION

Bachelor of Science in Computer Science
UNC Charlotte

Concentration in Intelligent Systems
Minor in Business
Cum Laude

RELEVANT EMPLOYMENT

Research Assistant
Video and Image Analysis Lab, UNCC

Charlotte, NC
May 2016 – August 2016

Worked in the Video and Image Analysis Lab under Dr. Min Shin.
Developed a GPU-accelerated Particle Filter for use in tracking moving objects in video.
The team contributed to separate pieces of a larger object tracking research project.
Participated in weekly progress and review presentations with the entire team.
Presented my work at a research symposium at the end of the period.

RECENT PROJECTS

GoNN - Current

Go

GoNN is a minimalist Neural Network package for Go, a personal project that I am currently developing. The plan is to develop a simple and easy to understand Neural Network package with highly readable source.

GatherMate

Java / Android

Prototype mobile application for spontaneous event scheduling. Users can create events that are visible to friends. Colored travel times indicate whether you can make it to an event on time and are updated from current traffic conditions via the Maps API.

Particle Filter

Matlab / C++

Object tracking model for use in many different applications. The goal was to maintain accuracy of tracking while reducing tracking times. Parallelizing for GPU significantly accelerated the task over conventional serial methods. Part of larger research project.

OTHER EMPLOYMENT

Manager
Pizza Hut

Winston-Salem, NC
Jan 2013 – Dec 2014

I managed the team members during my shift, handled opening and closing operations for the store, and dealt with customers directly to resolve any quality or service issues they might have encountered. I filled every role in the store when needed. I also handled transactions and cash deposits.

AWARDS AND RECOGNITION

Second Place in Research Showcase — College of Computing, UNCC

Chancellor's List and Dean's List — College of Computing, UNCC

Eagle Scout — Boy Scouts of America