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chrisdesmond.io

Christopher Desmond

SKILLS

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

RELEVANT EMPLOYMENT

Application Engineer — Silver Spring, MD
Robotic Vision Technologies — November 2017 – Present

- Designing and implementing new UI for vision software
- Developing in C# and C++ using Windows Presentation Foundation and .Net Interop
- Working on an Agile team using Kanban for project management
- Goal of the current project is to simplify UX and decouple legacy code from the user interface

Research Assistant — Charlotte, NC
Video and Image Analysis Lab, UNCC — 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

EDUCATION

Bachelor of Science in Computer Science
UNC Charlotte

- Concentration in Intelligent Systems
- Minor in Business
- Cum Laude

RECENT PROJECTS

chrisdesmond.io   HTML/CSS/JS

Personal website for presenting my projects and resume online. This project began out of necessity but quickly became a practice in material design and mobile friendly web development.

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.

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