Nathan Spencer

CONTACT INFORMATION

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WORK HISTORY

Software Developer *(May 2016 - Present)*
IstoVisio, Inc.

– Built hardware-agnostic VR tools and user interfaces using OpenGL, C++
– Developed software product which raised $500k+ of investment funding in series A
– Collaborated on development tasks monitored via Redmine project management software
– Wrote readable, maintainable code evaluated through peer reviews of pull requests
– Responsible for full project stack including C++ VR app, Python backend, and JS web app

Undergraduate Research Assistant *(May 2015 - July 2015)*
West Virginia University Computer Vision Group

– Researched and implemented machine learning techniques for food recognition
– Trained classifiers using deep learning technologies VLFeat and Caffee
– Contributed a highly competitive model tested on 750k images from 101 classes
– Presented findings at West Virginia University Undergraduate Research Symposium

Student Research Assistant *(June 2012 - Aug. 2012)*
West Virginia University Ultrafast Nanophotonics Group

– Designed and constructed optics setup to probe materials for optical properties
– Wrote MATLAB scripts to process, analyze, and visualize resulting data
– Participated and presented project progress in weekly research group meetings

TECHNICAL SKILLS

○ C++11/14	○ Git & Github	○ Python
○ Team Communication	○ User Interfaces	○ API Design
○ OpenGL	○ Web Scraping	○ Image Processing
○ Doxygen	○ CI Tools	○ LaTeX

EDUCATION

B.S. Computer Science, Computer Engineering *(Aug. 2014 - Present)*
West Virginia University, Morgantown, WV
Overall GPA 3.706 / Major GPA 3.698

RELEVANT PROJECTS

Bioinformatics Web Scraper *(Sep. 2016 - Oct. 2016)*
West Virginia University Department of Biology

– Built custom scraper using Python modules Beautiful Soup, Requests
– Scraped 7k+ entries of data on invertebrate vectors of human pathogens
– Acknowledged in research published in *Genome Biology and Evolution*