



# Nathan Spencer

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CONTACT 509 McLane Ave., Apt. 1  
INFORMATION Morgantown, WV 26505  
+1 (304) 692-1027  
nathantspencer@gmail.com

 [github.com/nathantspencer](https://github.com/nathantspencer)  
 [linkedin.com/in/nathantspencer](https://linkedin.com/in/nathantspencer)

EDUCATION **B.S., Computer Science, Computer Engineering** (Aug. 2014 - Present)  
West Virginia University  
Overall GPA 3.617

RELEVANT **Undergraduate Research Assistant** (May 2015 - July 2015)  
EXPERIENCE West Virginia University Computer Vision Group  
– Researched and implemented machine learning techniques for food recognition  
– Trained classifiers using deep learning technologies VLFeat and Caffe  
– Contributed a highly competitive model tested on 750k images from 101 classes

**Research Assistant Intern** (June 2012 - Aug. 2012)  
West Virginia University Ultrafast Nanophotonics Group  
– Designed optics setup to probe materials for optical properties  
– Wrote MATLAB scripts to process, analyze, and visualize resulting data

RELEVANT **Bioinformatics Web Scraper** (Sep. 2016 - Oct. 2016)  
PROJECTS  
– Built scraper using Python modules BeautifulSoup, Requests  
– Scraped 7k+ entries of data on invertebrate vectors of human pathogens  
– Resulting data to be used by WVU Biology Lab for upcoming publication

REFERENCES Available upon request.