

Erik Quintanilla

equintanilla@hawk.iit.edu
erikq.co

Chicago, IL

Phone: (331) 588-3653
Linkedin: erikquintanilla

EDUCATION	Illinois Institute of Technology , Chicago, IL <i>Bachelor of Science</i> , Computer Science, May 2020	GPA: 3.88
EXPERIENCE	Northrop Grumman May 2019 - July 2019 <ul style="list-style-type: none">• Wrote secure user interface in Python using Flask• Configured secure Nginx server running Flask on ARM board (Octavo RED)• Configured Jenkins Docker containers for automated unit testing• Conducted Wireshark testing of new networking hardware National Science Foundation May 2018 - August 2018	Software Engineering Intern Huntsville, AL Undergraduate Researcher University of Central Florida (CRCV) <ul style="list-style-type: none">• Worked under Dr. Mubarak Shah and Dr. Yogesh Rawat• Created models for better user tag recommendation using past user history and images• Implemented deep learning models on cluster in Caffe and Keras• Improved baseline accuracy by over 40% with adversarial learning• First author submission to ACM-MM 2019 (April 2019)
PROJECTS	EnhanceNet : Open source PyTorch implementation of EnhanceNet (ENET-PAT) for single image super resolution (SISR). github.com/erikqu/EnhanceNet-Pytorch Chicago Pothole Project : Data analysis of where potholes occur, why, and who is doing the most/least about them. An original algorithm for routing amongst potholes was also proposed. In-depth details can be found here: potholefillerchicago.com . <i>In depth details at github.com/erikqu or erikq.co</i>	
SKILLS	Programming Languages : Python (PyTorch, NumPy, Pandas, Scikit-learn), C, R, SQL (PostgreSQL, Oracle, MongoDB) Other Skills : TCP/IP, Vim, Linux, Slurm, Nginx, Agile, Jenkins, Docker, Caffe	
LANGUAGES	English, Spanish, French	
MEMBERSHIPS	<ul style="list-style-type: none">• Undergraduate Research Committee, Committee Member (2019 -)<ul style="list-style-type: none">- Spread awareness about undergraduate research opportunities on campus• Upsilon Pi Epsilon Honors Society (2018 -)• Society of Hispanic Professional Engineers (2016 -)• ACM Intercollegiate Programming Competition (ICPC) Contestant (2018 -)	
AWARDS	<ul style="list-style-type: none">• PITCH@IIT Finalist, Fan Favorite (2019)<ul style="list-style-type: none">- MAIZ: Helping small businesses tackle data analytics• Best use of Google Cloud Compute, <i>Oracle</i>, Uncommon Hacks, University of Chicago (2019)• ILSAMP Scholar (2019)• Top 5 Finalist, IIT Data Privacy AI Hackathon (2018)• RapidSeedBox Scholarship Winner (2017)• Business Professionals of America, Nationals, Computer Security, 3rd Place (2015)	