

Erik Quintanilla

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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• Setup Nginx server running Flask on ARM board (Octavo RED)• Setup docker containers for automated testing (Jenkins) National Science Foundation May 2018 - August 2018 <ul style="list-style-type: none">• Created models for better user tag recommendation using past user history and images• State of the art NUS-WIDE 1000 tags performance• 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)	Software Engineering Intern Huntsville, AL Undergraduate Researcher University of Central Florida (CRCV)
PROJECTS	EnhanceNet : Open source PyTorch implementation of EnhanceNet (ENET-PAT) for single image super resolution (SISR). <i>github.com/erikqu/EnhanceNet-Pytorch</i> Oracle : Flask website hosted on Google Cloud Compute (UncommonHacks'19 Prize Winner) that uses the OpenAI GPT-2 (small) model to continue text entered in a natural manner. <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 : Caffe, Vim, Linux, Slurm, Nginx, Agile, Jenkins, Docker, TCP/IP	
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• Machine Learning Club (ML@IIT), Networking Chair (2018 -)<ul style="list-style-type: none">- Bring in local talent for ML/DL presentations, workshops, etc.• 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)	