Henry Yu

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work experience

Software Engineer | **LinkedIn** | Mountain View, CA — June 2019 - Present
- LinkedIn Marketing Solutions: Talent Media Member Experience Team

Software Engineer Intern | **LinkedIn** | San Francisco, CA — June 2018 - September 2018
- K-Modes Clustering among targeted audiences to filter out irrelevant ad targeting
- Optimized Spark job to scale with several terabytes of data for training and evaluation

Software Engineer Intern | **Amazon** | Seattle, WA — June 2017 - September 2017
- Implemented and designed the full stack advertiser facing portal for vendors and sellers incorporating Spring, React and AWS tools to provide an integrated advertiser experience

Software Engineer Intern | **KPMG** | Seal Beach, CA — June 2016 - August 2016
- Developed and designed a .DAT file viewer incorporating .NET and Windows Presentation Foundation to be utilized as part of the Discovery Radar 5 project, which is used by the forensics advisory department for evidence identification and tracking

Software Engineer Intern | **Ontraport** | Santa Barbara, CA — January 2016 - March 2016
- Created a user login registration system for Ontrapages using PHP, MySQL and incorporating RESTful procedures, OOP concepts, as well as MVC architecture

Quality Assurance Intern | **Fortinet** | Sunnyvale, CA — June 2015 - September 2015
- Developed FortiSwitch test cases from specifications into test plans using Robot Framework and IxNetwork

education

University of California, Santa Barbara | M.S. Computer Science — Graduated March 2019
- **Cumulative GPA: 3.88/4.0**

University of California, Santa Barbara | B.S. Computer Science — Graduated March 2018
- **Cumulative GPA: 3.53/4.0** **Upper Division Major GPA: 3.74/4.0**
- 2nd Place in summit.cs (2017), 3rd Place Prize in New Venture Competition (2017)
- Alpha Kappa Psi, Women in Software & Hardware, CodersSB

Highlighted Coursework

• Operating Systems	• Distributed Systems	• Functional Programming
• Data Structures & Algorithms	• Parallel Computing	• Computer Networking
• Computer Security	• Computer Architecture	• Automata/Formal Languages
• SAS Base Programming	• **Computer Vision**	• **Machine Learning**

projects

Neural Audio Style Transfer — May 2018 - June 2018
- Implemented style transfer in the audio domain utilizing 2D spectrograms of the audio waveforms using short time fourier transforms as well as CycleGAN

Neural Image Style Transfer — May 2018 - June 2018
- Implemented A Neural Algorithm of Artistic Style for image style transfer on Tensorflow, as well as improved upon the optimization method by training a feed forward network for adopting particular styles (textures) in order to achieve faster performance

Map Reduce Replicate — May 2017 - June 2017
- Designed and implemented the map-reduce programming model to compute word count on a Eucalyptus cluster, utilizing Paxos for consensus among replicated logs

CSparse Cholesky Factorization — April 2017 - June 2017
- Implemented and ran performance tests on the Cholesky Factorization Method for systems of linear equations using Tim Davis's CSparse library

GPU: All-Pairs Shortest Paths — February 2017 - March 2017
- Implemented parallel and sequential versions of the Floyd-Warshall and the Recursive-Kleene algorithms in C and CUDA, achieved 250x speedup

skills

• Java, C, C++, Python • MPI, Cilk, CUDA • .NET, Spring, React • Canva • Agile Development
• Fluent in Mandarin Chinese • scikit-learn, Tensorflow, OpenCV • Scala, Spark