

Henry Yu

San Francisco Bay Area
(650) 400 - 8 six 5 seven
henryyu dot yu at gmail dot com

LinkedIn /in/henryhyu
GitHub /henryhyu
Website henryhyu.github.io

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